CONTESTANT NUMBER:

UIL

University Interscholastic League
A+ Maps/Graphs/Charts Contest • Answer Sheet

Write your contestant number in the upper right corner, and circle your grade below.
### Circle Grade Level: 5   6   7   8

1. A	B	C	D		26.	T	F			51. A	B	C	D
2. A	B	C	D		27.	T	F			52. A	B	C	D
3. A	B	C	D		28.	T	F			53. A	B	C	D
4. A	B	C	D		29.	T	F			54. A	B	C	D
5. A	B	C	D		30.	T	F			55. A	B	C	D
6. A	B	C	D		31. A	B	C	D		56. A	B	C	D
7. A	B	C	D		32. A	B	C	D		57. A	B	C	D
8. A	B	C	D		33. A	B	C	D		58. A	B	C	D
9. A	B	C	D		34. A	B	C	D		59. A	B	C	D
10. A	B	C	D		35. A	B	C	D		60. A	B	C	D
11. A	B	C	D		36. A	B	C	D		61. A	B	C	D
12. A	B	C	D		37. A	B	C	D		62. A	B	C	D
13. A	B	C	D		38. A	B	C	D		63. A	B	C	D
14. A	B	C	D		39. A	B	C	D		64. A	B	C	D
15. A	B	C	D		40. A	B	C	D		65. A	B	C	D
16. A	B	C	D		41.	T	F			66. A	B	C	D
17. A	B	C	D		42.	T	F			67. A	B	C	D
18. A	B	C	D		43.	T	F			68. A	B	C	D
19. A	B	C	D		44.	T	F			69. A	B	C	D
20. A	B	C	D		45.	T	F			70. A	B	C	D
21. A	B	C	D		46. A	B	C	D		71.	T	F
22. A	B	C	D		47. A	B	C	D		72.	T	F
23. A	B	C	D		48. A	B	C	D		73.	T	F
24. A	B	C	D		49. A	B	C	D		74.	T	F
25. A	B	C	D		50. A	B	C	D		75.	T	F

University Interscholastic League
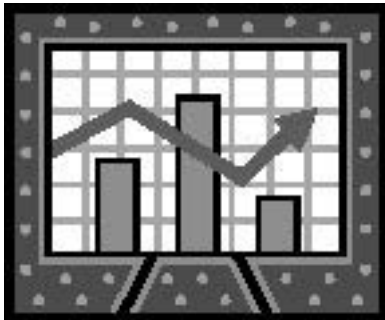
Maps, Graphs & Charts

grades 5 & 6

DO NOT OPEN TEST
**UNTIL TOLD TO DO SO**

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Asia Political Relief Map

1. Which town of over 1,000,000 people is the furthest west?
   a. Aden, Yemen
   b. Macau(o), China
   c. Chennai, India
   d. Medan, Indonesia

2. Which of the following countries does not have a border on the Arabian Sea?
   a. India
   b. Saudi Arabia
   c. Oman
   d. Pakistan

3. The International Date Line Crosses what body of water?
   a. The Pacific Ocean
   b. The Indian Ocean
   c. The South China Sea
   d. None of the above

4. What capital can be found at 79.8612° E?
   a. Astana, Kazakhstan
   b. Kanpur, India
   c. Istanbul, Turkey
   d. Colombo, Sri Lanka

5. The Taklimakan Desert is in what country?
   a. Iran
   b. Saudi Arabia
   c. Kazakhstan
   d. China

6. Which of the following bodies of water forms a border with another continent?
   a. Persian Gulf
   b. Black Sea
   c. Yellow Sea
   d. Bay of Bengal

7. How far is it from the largest city in the country of Kazakhstan to the capital of the country?
   a. About 100 miles
   b. About 300 miles
   c. About 400 miles
   d. About 600 miles

8. The Volcano Islands is a territory of what country?
   a. China
   b. Japan
   c. Indonesia
   d. Russia

9. Which line of latitude runs through the country of Bangladesh?
   a. The Equator
   b. The Tropic of Cancer
   c. The Tropic of Capricorn
   d. None

10. Half an inch equals how many miles?
    a. 340 miles
    b. 680 miles
    c. 750 miles
    d. 1,000 miles

11. What do the lines of small black dots represent?
    a. Latitude lines
    b. Longitude lines
    c. International Boundary
    d. Disputed Boundary

12. The Lena River runs through which of the following countries?
    a. China
    b. India
    c. Iran
    d. None of the above

13. Which of the following cities has a population under 1,000,000?
    a. Padang, Indonesia
    b. Omsk, Russia
    c. Kyoto, Japan
    d. Mumbai, India

14. Which of the following countries does The Equator run through?
    a. Yemen
    b. Indonesia
    c. Vietnam
    d. Bangladesh

15. Which of the following is actually a lake?
    a. South China Sea
    b. Arabian Sea
    c. Caspian Sea
    d. Yellow Sea

N

Downtown 10 Miles
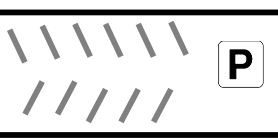
Dolphin Bay

Crustacean Corner

Penguin House

Underwater Mermaid Show

Jellyfish Display

Play Ground Area

String Ray Petting Zoo

Main Gift Shop

Shark Reef

Octopus Garden

Information and Administration

Shell Beach 2 miles

Entrance

P

Tropical Waters

Services

🚻	**Restrooms**
⛲	**Water Fountain**
🍴	**Restaurant**
P	**Parking**
➕	**First Aid**
?	**Information**
◑	**Exit**
$	**ATM**
⛩	**Picnic Area**
🎁	**Gift Shop**

Hours:
Open Daily
*10 - 8*

South Coast Aquarium

16. What direction would you need to go from Shell Beach to arrive at the aquarium?

    a. East
    b. West
    c. North
    d. South

17. How many of the areas/attractions host restaurants?
    a. 1
    b. 2
    c. 3
    d. 4

18. What scale is indicated on the map?
    a. 1 inch equals ¼ mile
    b. 1 inch equals ½ mile
    c. 1 inch equals 1 mile
    d. Not indicated

19. Which of the following attractions has a first aid station?
    a. Jellyfish Display
    b. Dolphin Bay
    c. Underwater Mermaid Show
    d. Shark Reef

20. How many parking areas are indicated on the map?
    a. 1
    b. 2
    c. 3
    d. 0

21. How many gift shops are there?
    a. 2
    b. 3
    c. 4
    d. 5

22. How far is the aquarium from downtown?
    a. 2 miles
    b. 5 miles
    c. 10 miles
    d. 20 miles

23. Which animal attraction is the furthest west?
    a. Penguin House
    b. Sting Ray Petting Zoo
    c. Jellyfish Display
    d. Dolphin Bay

24. How many hours is the aquarium open on a daily basis?
    a. 6
    b. 8
    c. 10
    d. 12

25. How many types of services are indicated on the map?
    a. 4
    b. 7
    c. 10
    d. 13

TRUE/FALSE

26. Every attraction includes at least one service.

27. The entrance is in the southwest corner of the grounds.

28. Downtown is south of Shell Beach.

29. Octopus Garden is east of Shark Reef.

30. The aquarium is closed on Sundays.

Gift Shop Item Sales By Year
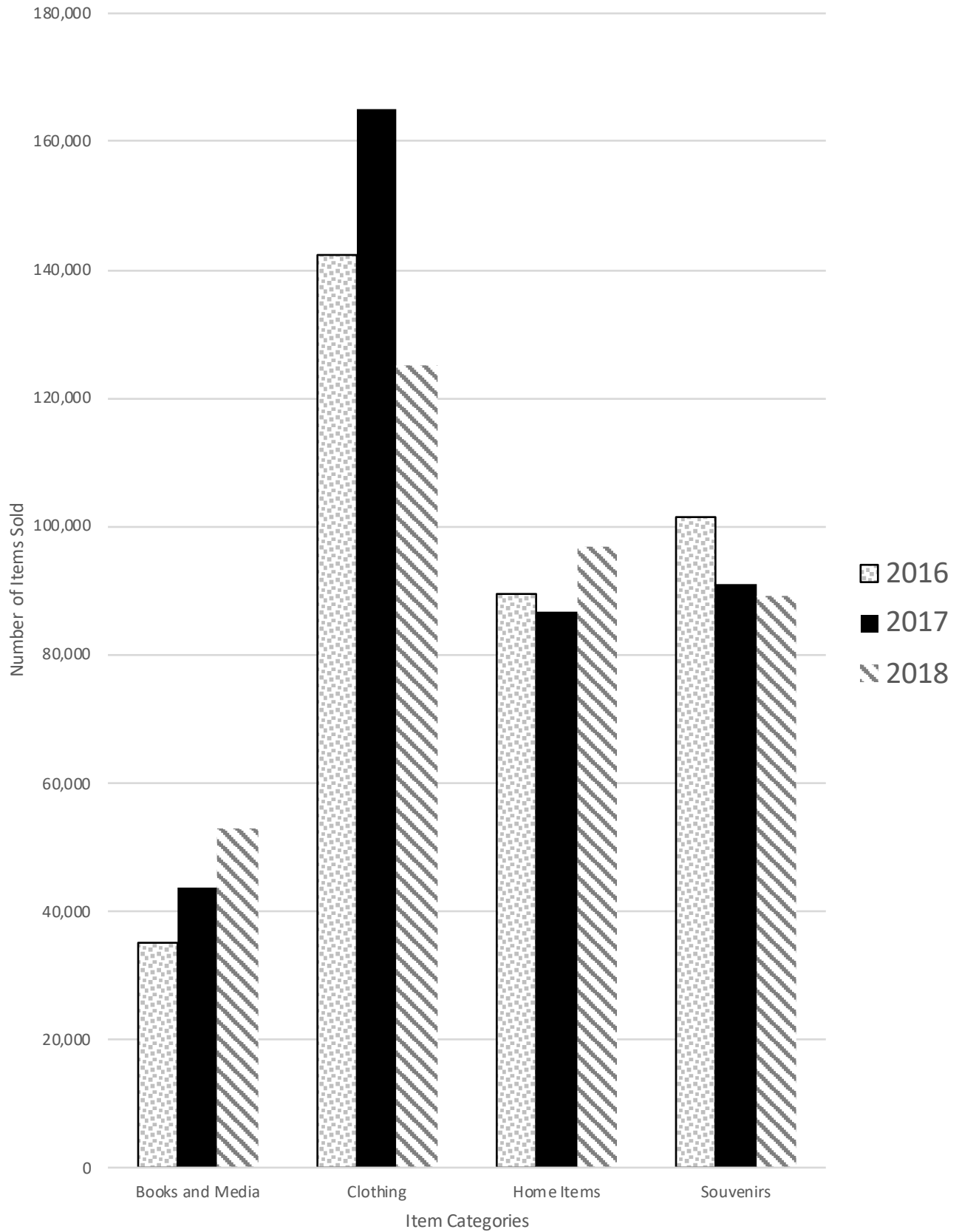
Gift Shop Item Sales by Year

31. Which category had the most sales in 2016?
    a. Books and media
    b. Clothing
    c. Home Items
    d. Souvenirs

32. How many categories are displayed on the graph?
    a. 4
    b. 8
    c. 12
    d. 16

33. How many individual items (such as t-shirts, shoes, shorts, etc.) are included within the clothing category?
    a. 5
    b. 10
    c. 15
    d. Not indicated

34. What year did Books and Media have the highest sales?
    a. 2018
    b. 2017
    c. 2016
    d. None of the above

35. Which category had the highest number of sales for all years combined?
    a. Books and media
    b. Clothing
    c. Home Items
    d. Souvenirs

36. What does the solid black bar represent?
    a. Books and media
    b. Clothing
    c. 2016
    d. 2017

37. Which category had a decrease in sales every year?
    a. Books and media
    b. Clothing
    c. Home Items
    d. Souvenirs

38. Which category had the single greatest increase in sales in one year?
    a. Books and media
    b. Clothing
    c. Home Items
    d. Souvenirs

39. In how many years did home items outsell souvenirs?
    a. 0
    b. 1
    c. 2
    d. 3

40. How many items in the clothing category were sold in 2016?
    a. About 123,000
    b. About 142,000
    c. About 42,000
    d. About 23,000

TRUE/FALSE

41. 2017 saw the highest amount of sales for clothing.

42. Books and Media always had the fewest amount of sales.

43. Books and Media is the only category that saw in increase in sales every year.

44. The graph indicates the month that the highest yearly sales occur.

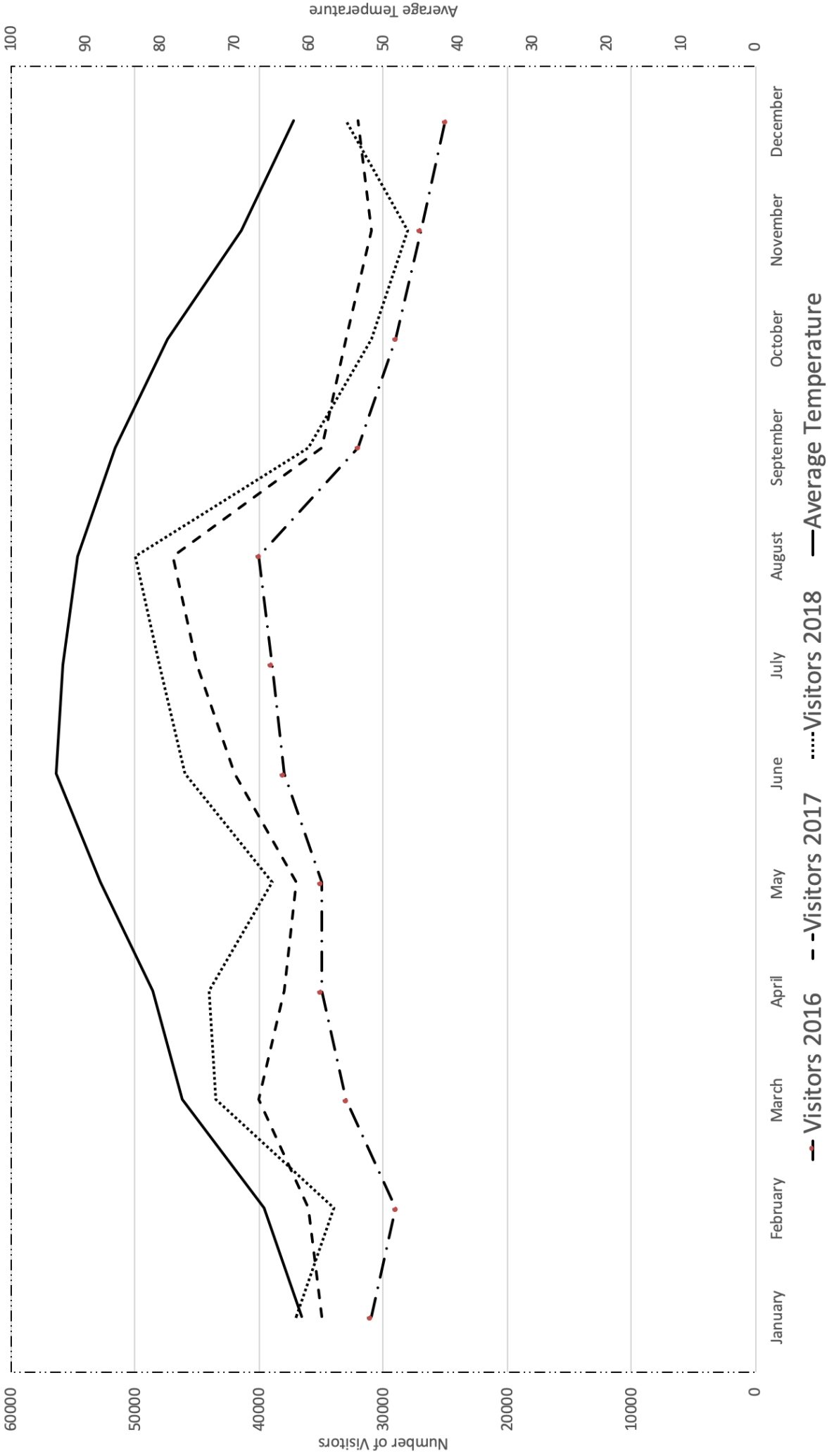45. Clothing sales go up every year.

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Australia and Its Neighbors Land Cover and Elevation Maps

46. Rainforest can be found in what area of Australia?
    a. Eastern coast
    b. Western coast
    c. Middle of the country
    d. Not found in Australia

47. How far is it from Brisbane to Sydney?
    a. About 300 miles
    b. About 450 miles
    c. About 600 miles
    d. About 750 miles

48. What does the Wallace Line indicate?
    a. Areas of cultural influence boundary
    b. A disputed international boundary
    c. The continental boundary
    d. Relations of animal species

49. What is the elevation of Lake Eyre?
    a. Below sea level
    b. 500 to 1,000 feet
    c. 1,00 to 2,000 feet
    d. 2,000 to 5,000 feet

50. What does the blue line with white dots represent?
    a. Areas of cultural influence boundary
    b. A disputed international boundary
    c. The continental boundary
    d. Relations of animal species

51. Wellington is the capital of what country?
    a. Australia
    b. Indonesia
    c. New Zealand
    d. Vanuatu

52. How much of the continent does the outback cover?
    a. 10%
    b. 20%
    c. 40%
    d. 80%

53. The land cover in New Guinea is mostly of what type?
    a. Grassland
    b. Cropland
    c. Tropical rain forest
    d. Broadleaf forest

54. The Maoke Mountains can be found in what country?
    a. Australia
    b. Indonesia
    c. New Zealand
    d. Vanuatu

55. What is the elevation of the highest mountain peak on the continent?
    a. 2,000 to 5,000 feet
    b. 5,000 to 10,000 feet
    c. 1,500 to 3,000 meters
    d. Over 3,000 meters

56. The cross section on the elevation map covers how many degrees of latitude?
    a. 7 degrees
    b. 23 degrees
    c. 90 degrees
    d. About 110 degrees

57. Shark Bay is located on what Australian coast?
    a. Northern
    b. Southern
    c. Eastern
    d. Western

58. What does the pink line across the island of New Guinea indicate?
    a. Areas of cultural influence boundary
    b. An international boundary
    c. The continental boundary
    d. Relations of animal species

59. What is the scale of the cross-section on the elevation map?
    a. One inch equals 470 miles
    b. One inch equals 565 miles
    c. One inch equals 358 miles
    d. Not indicated

60. Tasmania is off the southern coast of what country?
    a. Australia
    b. Indonesia
    c. New Zealand
    d. Vanuatu

Aquarium Visitor Information By Month

—Visitors 2016 —Visitors 2017 --Visitors 2018 —Average Temperature

Average Temperature

100 90 80 70 60 50 40 30 20 10 0

Number of Visitors

60000 50000 40000 30000 20000 10000 0

January February March April May June July August September October November December

Aquarium Visitor Information by Month

61. What does the solid black line represent?
   a. Average temperature
   b. 2016
   c. 2017
   d. 2018

62. How many years are represented on the graph?
   a. 3
   b. 4
   c. 12
   d. 48

63. What year had the lowest attendance in every month?
   a. 2016
   b. 2017
   c. 2018
   d. None

64. What single month had the highest attendance?
   a. June, 2017
   b. July, 2018
   c. August, 2018
   d. December, 2018

65. How many times did attendance in 2018 surpass the same month in 2017?
   a. 0
   b. 5
   c. 7
   d. 9

66. Which of the following months had the highest attendance for all three years?
   a. June
   b. July
   c. August
   d. September

67. What does the x axis represent?
   a. Average Temperature
   b. Number of Visitors
   c. Month
   d. Average visitor age

68. In 2016, which month had the highest jump in number of visitors compared to the previous month?
   a. January
   b. February
   c. March
   d. April

69. How many times did monthly visitors pass the 60,000 mark?
   a. 0
   b. 2
   c. 3
   d. 4

70. Which of the following months had the highest average temperature?
   a. February
   b. March
   c. September
   d. October

TRUE/FALSE

71. As the temperature rises attendance generally goes up.

72. In 2018, November had the fewest visitors.

73. 2016 saw the lowest number of total visitors.

74. All the lines on the graph represent the same number range (0 to 60,000).

75. The graph suggests what days of the week that the Aquarium gets the most visitors.

1. C	26. F	51. C
2. B	27. T	52. D
3. A	28. F	53. C
4. D	29. T	54. B
5. D	30. F	55. D
6. B	31. B	56. A
7. D	32. A	57. D
8. B	33. D	58. B
9. B	34. A	59. A
10. A	35. B	60. A
11. C	36. D	61. A
12. D	37. D	62. A
13. A	38. B	63. A
14. B	39. B	64. C
15. C	40. B	65. D
16. A	41. T	66. C
17. C	42. T	67. C
18. D	43. T	68. C
19. C	44. F	69. A
20. A	45. F	70. C
21. D	46. A	71. T
22. C	47. B	72. T
23. A	48. D	73. T
24. C	49. A	74. F
25. C	50. C	75. F

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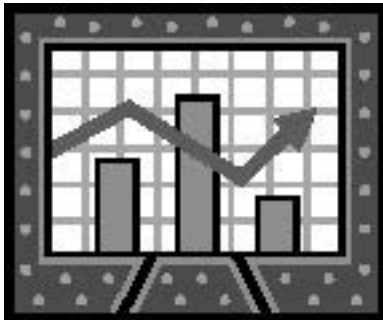
Maps, Graphs & Charts
grades 7 & 8

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South America

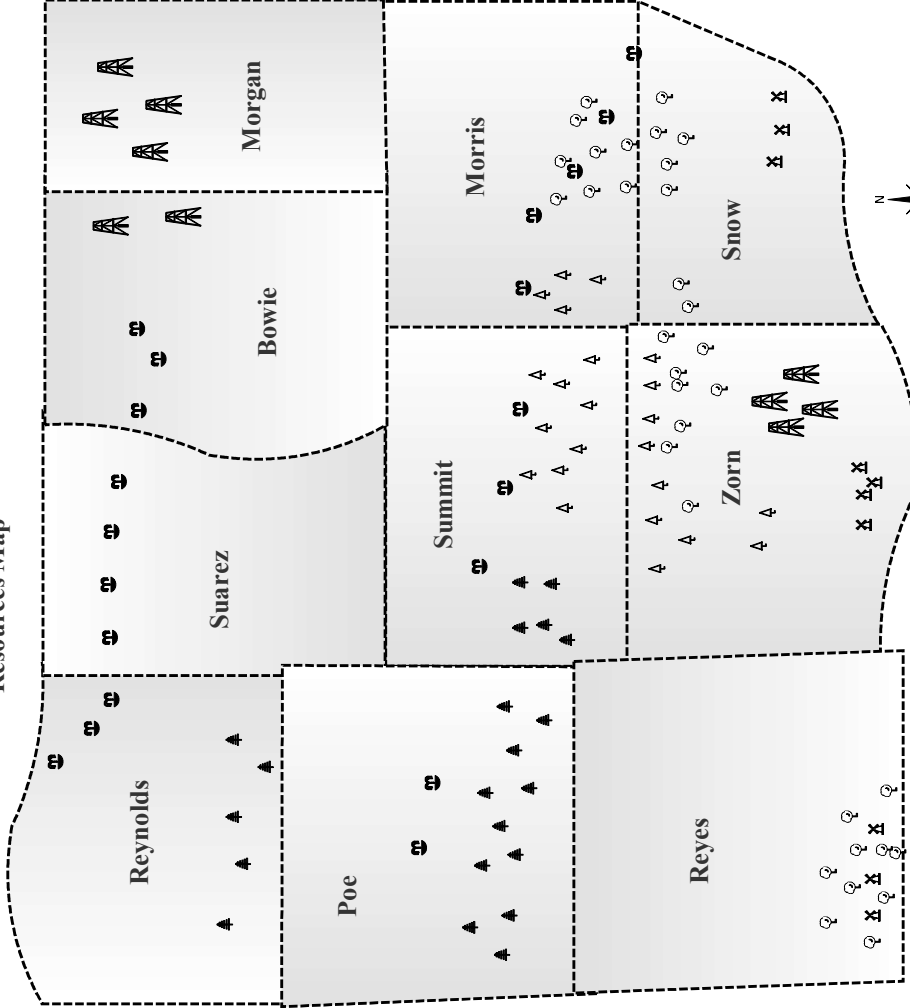1. What is the European ethnic composition percentage in Peru?
   a. 12
   b. 54
   c. 47
   d. 3.7

2. What does the red line on the Elevation Map represent?
   a. continental boundary
   b. international boundary
   c. time zone
   d. other

3. What is the climate type in southern Chile?
   a. Tropical
   b. Steppe
   c. Mediterranean
   d. Marine

4. The Andes do not run through which of the following countries?
   a. Venezuela
   b. Uruguay
   c. Ecuador
   d. Peru

5. San Felix Island is a territory of what country?
   a. Brazil
   b. Chile
   c. Argentina
   d. Guyana

6. Which of these Brazilian cities has the largest population?
   a. Natal
   b. Boa Vista
   c. Macapa
   d. Belem

7. How far is it from Rosario, Argentina to the capital of the country?
   a. About 100 miles
   b. About 175 miles
   c. About 300 miles
   d. About 500 miles

8. The Uruguay River is part of the border of Brazil and what other country?
   a. Argentina
   b. Peru
   c. Suriname
   d. French Guiana

9. What is the main land cover type in Guyana?
   a. Cropland
   b. Greenland
   c. Tropical Rain Forest
   d. Broadleaf forest

10. Which country is the most densely populated?
    a. Brazil
    b. Venezuela
    c. Colombia
    d. Ecuador

11. Which of the following crops grows at an elevation of 8,000 feet?
    a. Bananas
    b. Wheat
    c. Barley
    d. Rice

12. Which of the following resources can be found in Paraguay?
    a. Coal
    b. Gold
    c. Nickel
    d. None of the above

13. What is the highest level of annual precipitation that the country of Suriname receives?
    a. Over 80 inches
    b. 40 to 80 inches
    c. 20 to 40 inches
    d. 10 to 20 inches

14. Which of the following countries appears on the Northwestern South America Map?
    a. Brazil
    b. Paraguay
    c. Argentina
    d. None

15. What large lake is at the highest elevation?
    a. Lake Maracaibo
    b. Lake Titicaca
    c. Lake Aconcagua
    d. Mirim Lake

Western Counties Resources and Population Maps

Resources Map

Legend

....	County Border
✕	Wind
≛	Tourism
⌂	Lumber
🗼	Oil
◓	Water
♀	Cotton

1 inch = 25 miles

Counties shown: Reynolds, Poe, Reyes, Suarez, Summit, Bowie, Morgan, Morris, Snow, Zorn
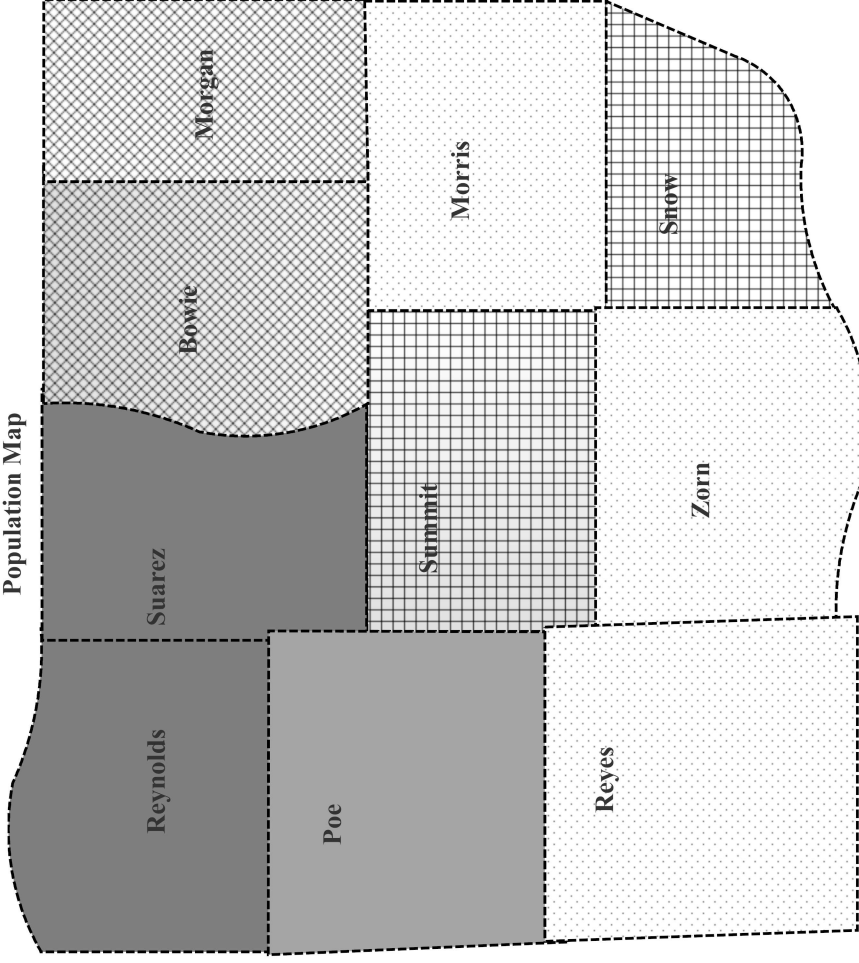
Population Map

Population Per sq. mile

	Under 5
	5 to 50
	50 to 100
	100 to 250
	Over 250

1 inch = 25 miles

Counties shown: Reynolds, Poe, Reyes, Suarez, Summit, Bowie, Morgan, Morris, Snow, Zorn

Western Counties Resources and Population Maps

16. Which of the following counties has the highest population per square mile?

    a. Zorn
    b. Morgan
    c. Morris
    d. Poe

17. Which county is located south of Zorn?
    a. Summit
    b. Reynolds
    c. Morgan
    d. None of the above

18. Three inches would equal how many miles on the population map?
    a. 25
    b. 50
    c. 75
    d. 100

19. Which of the following resources in not present in Morris County?
    a. Wind
    b. Water
    c. Cotton
    d. Lumber

20. What do the dotted lines represent?
    a. State lines
    b. County borders
    c. Resource boundaries
    d. City limits

21. How many counties with oil have a population of under 5 per square mile?
    a. 0
    b. 1
    c. 2
    d. 3

22. Which county has the fewest towns located in it?
    a. Reynolds
    b. Suarez
    c. Bowie
    d. Not indicated on the map

23. How many counties have cotton listed as a resource?
    a. 2
    b. 3
    c. 4
    d. 5

24. Which resource can be found in counties that have populations equal to or above 100 per sq. mile?
    a. Water
    b. Oil
    c. Cotton
    d. All of the above

25. How many resources are represented on the population map?
    a. 0
    b. 6
    c. 7
    d. 8

TRUE/FALSE

26. Zorn is the county with the highest variety of resources.

27. All of the wind resources are in the map's northern counties.

28. The scale of both maps is the same.

29. Oil is the resource found in the most counties on the map.

30. Every county containing wind resources also contains cotton resources.

Invitational 7/8 2019-2020

County Population

Legend: 2000 Population, 2005 Population, 2010 Population, 2015 Population

Counties (left to right): Bowie, Morgan, Morris, Poe, Reyes, Reynolds, Snow, Suarez, Summit, Zorn

Axis values: 0, 100,000, 200,000, 300,000, 400,000, 500,000, 600,000
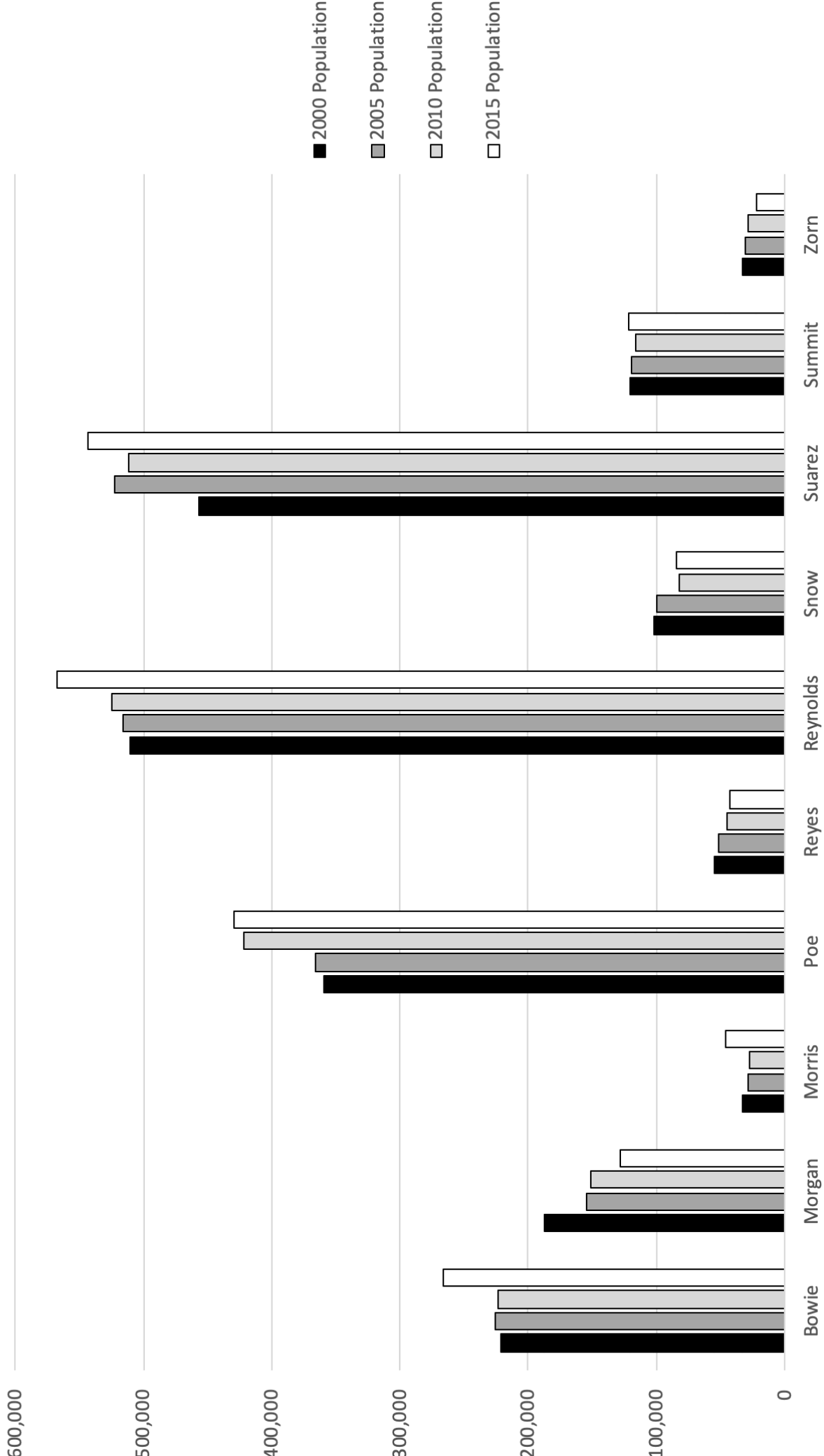
County Population Chart

31. How many individual years are represented by the graph?
    a. 4
    b. 10
    c. 15
    d. 20

32. How many counties are displayed on the graph?
    a. 4
    b. 5
    c. 10
    d. 20

33. What does the darkest bar represent?
    a. The county of Bowie
    b. The county of Poe
    c. The year 2000
    d. The year 2015

34. What information is found on the Y axis?
    a. The year
    b. The population number
    c. The name of the county
    d. Both A and C

35. The population of how many counties went down every year shown on the graph?
    a. 1
    b. 2
    c. 3
    d. 4

36. How many counties hit peak population in 2010?
    a. 0
    b. 1
    c. 2
    d. 3

37. Which of the following counties had the largest increase in population between 2010 and 2015?
    a. Poe
    b. Reynolds
    c. Morgan
    d. Snow

38. In what year did Zorn have its highest population?
    a. 2000
    b. 2005
    c. 2010
    d. 2015

39. Which of the following counties had the greatest decrease in population over the years indicated?
    a. Reyes
    b. Summit
    c. Zorn
    d. Snow

40. In Poe County, what year saw the biggest jump in population from the previous recorded year?
    a. 2000
    b. 2005
    c. 2010
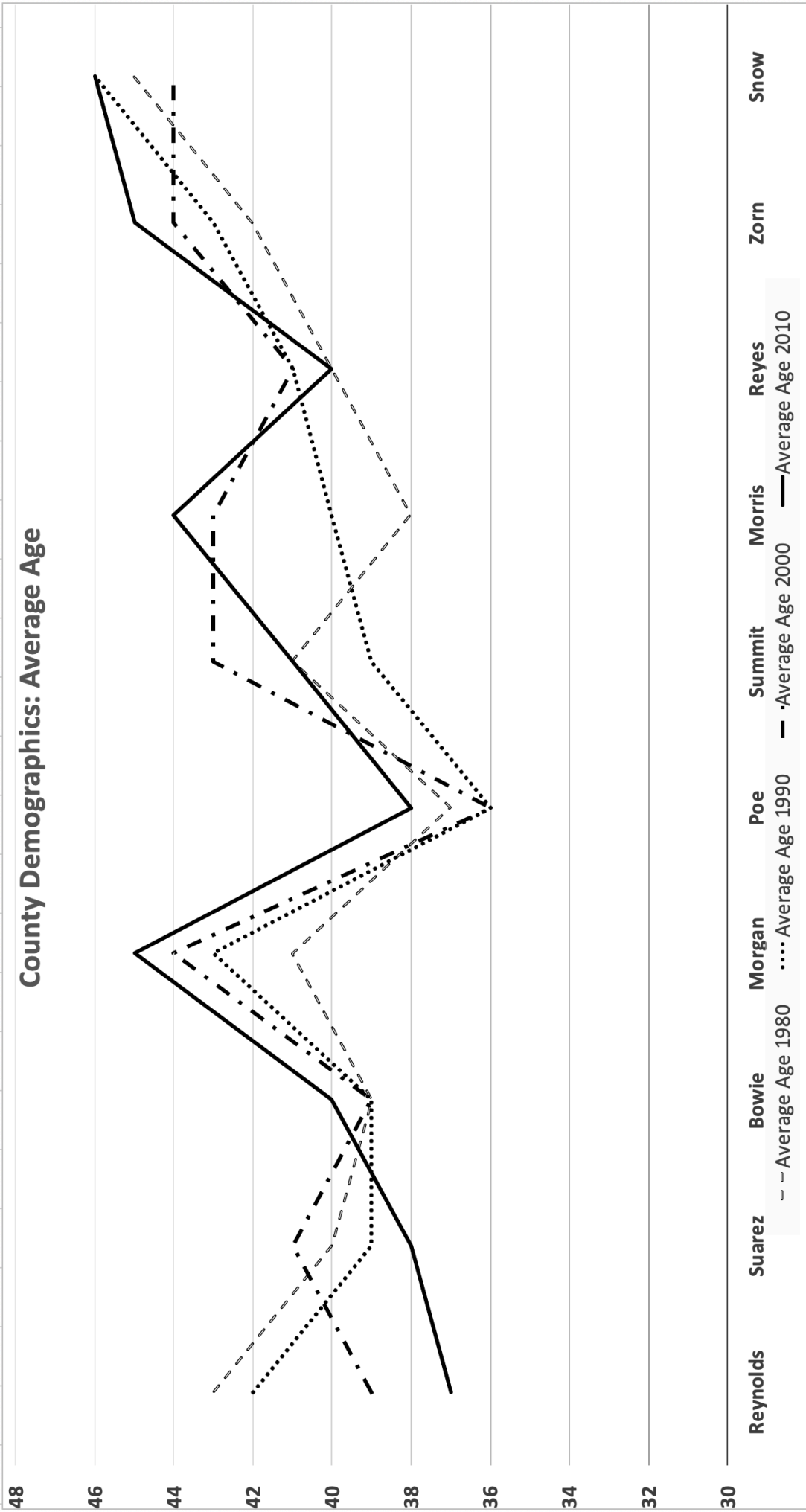   d. 2015

TRUE/FALSE

41. The more populous counties tended to gain population.

42. Reynolds always had the highest population.

43. Suarez saw an increase in population every year except 2015.

44. Reyes had a higher population than Morris every year.

45. The graph indicates growth in Reynolds country prior to 2000.

Invitational 7/8 2019-2020

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46. What is the yearly precipitation range in Panama?
    a. Over 80 inches per year
    b. 40 to 80 inches per year
    c. 20 to 40 inches per year
    d. 10 to 20 inches per year

47. How many kilometers is two centimeters on the North Central U.S. map?
    a. 47
    b. 94
    c. 140
    d. 280

48. What does the red line on the East Central U.S. map indicate?
    a. continental boundary
    b. international boundary
    c. interstate highway
    d. longitudes

49. What type of agricultural product is produced in New Mexico?
    a. Corn
    b. Wheat
    c. Beef
    d. Dairy

50. The Bering Strait separates the United States from what country?
    a. Mexico
    b. Russia
    c. Canada
    d. Cuba

51. Which of the following Canadian provinces has mining with a value of over 5 billion?
    a. Ontario
    b. Yukon Territory
    c. Nunavut
    d. New Brunswick

52. The largest urban area on the continent is where?
    a. Eastern United States
    b. Western United States
    c. Mexico
    d. Canada

53. Where can the land cover type tundra be found?
    a. Mexico
    b. Cuba
    c. United States
    d. None of the above

54. Which country is the largest by area?
    a. Mexico
    b. Cuba
    c. United States
    d. Canada

55. How many miles is it from Lima, Ohio to Defiance, Ohio?
    a. About 20 miles
    b. About 40 miles
    c. About 60 miles
    d. About 80 miles

56. What is the main economic use of land in Utah?
    a. Commercial farming
    b. Ranching or herding
    c. Forestry
    d. No widespread use

57. What is the main climate type in Cuba?
    a. Tropical Rain Forest
    b. Savanna
    c. Steppe
    d. Desert

58. Guadalupe Island is a territory of what country?
    a. Mexico
    b. Cuba
    c. United States
    d. Canada

59. The Missouri Rivers forms a border between Iowa and what other state?
    a. Missouri
    b. Minnesota
    c. Wisconsin
    d. Nebraska

60. Which Canadian province is the furthest west?
    a. British Columbia
    b. Ontario
    c. Quebec
    d. Alaska

County Demographics: Average Age

Legend:
- – – Average Age 1980
- ⋯⋯ Average Age 1990
- –·– Average Age 2000
- —— Average Age 2010

X-axis categories: Reynolds, Suarez, Bowie, Morgan, Poe, Summit, Morris, Reyes, Zorn, Snow

Y-axis: 30, 32, 34, 36, 38, 40, 42, 44, 46, 48

County Demographics: Average Age

61. Which county had the highest average age in 1990?
    a. Morgan
    b. Summit
    c. Reyes
    d. Snow

62. What span of time does the graph cover?
    a. 4 years
    b. 10 years
    c. 30 years
    d. 40 years

63. How much time is it between data points for each county?
    a. 4 years
    b. 10 years
    c. 30 years
    d. 40 years

64. What year did Summit have its lowest average age?
    a. 1980
    b. 1990
    c. 2000
    d. 2010

65. Which of the following counties had an older population in every subsequent decade?
    a. Morgan
    b. Reyes
    c. Snow
    d. Suarez

66. What county had the most change in average age between 1980 and 2010?
    a. Suarez
    b. Poe
    c. Snow
    d. Reynolds

67. How many times did the average age in Summit go up from the previous decade?
    a. 0
    b. 1
    c. 2
    d. 3

68. Which of the following counties had the highest average age in 2010?
    a. Morgan
    b. Reynolds
    c. Poe
    d. Morris

69. What year did the average age of Morris first surpass the average age of Summit?
    a. 1980
    b. 1990
    c. 2000
    d. 2010

70. Which of the following counties had the least amount of average fluctuation over the time indicated?
    a. Suarez
    b. Zorn
    c. Morgan
    d. Bowie

TRUE/FALSE

71. The average age went up every decade in Snow.

72. Reynolds started in 1980 with the oldest population and ended up as the youngest in 2000.

73. The single biggest jump in average age in 2000 was in Summit.

74. Average age decreased every decade in only one county.

75. Poe's average age did not fluctuate from 1980 to 1990.

University Interscholastic League
## A+ Maps/Graphs/Charts Contest • 2019-2020
7/8 Invitational
Answer Key

1. A	26. T	51. A
2. B	27. F	52. C
3. D	28. T	53. C
4. B	29. F	54. D
5. B	30. T	55. B
6. D	31. A	56. B
7. B	32. C	57. B
8. A	33. C	58. A
9. C	34. B	59. D
10. D	35. C	60. A
11. C	36. A	61. D
12. D	37. B	62. C
13. A	38. A	63. B
14. A	39. D	64. B
15. B	40. C	65. A
16. D	41. T	66. D
17. D	42. F	67. B
18. C	43. F	68. A
19. A	44. F	69. B
20. B	45. F	70. D
21. B	46. A	71. F
22. D	47. B	72. F
23. C	48. C	73. T
24. A	49. D	74. T
25. A	50. B	75. F

University Interscholastic League
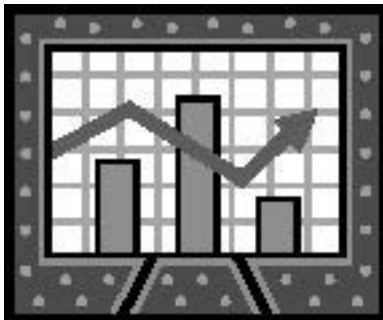
Maps, Graphs & Charts

grades 5 & 6

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Africa Political Relief Map

1. What body of water forms part of the southern border of Uganda?
   a. Indian Ocean
   b. Gulf of Guinea
   c. Lake Victoria
   d. Gulf of Sidra

2. Two centimeters equal how many kilometers on the map?
   a. 730
   b. 1460
   c. 463
   d. 926

3. Which of the following capitals is located north of the equator?
   a. Luanda, Angola
   b. Rabat, Morocco
   c. Cape Town, South Africa
   d. Nairobi, Kenya

4. The Strait of Gibraltar separates Africa from what other continent?
   a. Europe
   b. Asia
   c. Antarctica
   d. Australia and Oceania

5. The Niger River does not flow through which of the following countries?
   a. Mali
   b. Guinea
   c. Nigeria
   d. Algeria

6. Prince Edward Island is a territory of which of the following countries?
   a. South Africa
   b. Somalia
   c. United Kingdom
   d. Spain

7. How far is it from the capital of Tunisia to the capital of Libya?
   a. About 100 miles
   b. About 300 miles
   c. About 400 miles
   d. About 600 miles

8. Which of the following cities has a population over 500,000?
   a. Ibadan, Nigeria
   b. Mbeya, Tanzania
   c. Lubango, Angola
   d. None of the above

9. Which of the following is represented by a lettering style?
   a. Ocean
   b. Continent
   c. Country
   d. All of the above

10. What do the solid black lines that run horizontally across the map represent?
    a. Longitude
    b. Latitude
    c. International Boundaries
    d. Continental Boundaries

11. The Atlas Mountains are located near what coast?
    a. Southeastern
    b. Southwestern
    c. Northeastern
    d. Northwestern

12. The Nile River flows into which sea?
    a. Lake Victoria
    b. Mediterranean Sea
    c. The Red Sea
    d. The Black Sea

13. Which of the following capitals is on the Gulf of Guinea?
    a. Malabo, Equatorial Guinea
    b. Lagos, Nigeria
    c. Douala, Cameroon
    d. All of the above

14. Which of the following are north of the Tropic of Capricorn?
    a. Port Elizabeth, South Africa
    b. The capital of Botswana
    c. The Gulf of Aden
    d. 35 degrees south

15. Which country is the largest by area?
    a. Algeria
    b. Sudan
    c. South Africa
    d. Mali

Travis Farm
Sonnet, Texas
Establish 1879

Open Grazing Area

Pig Pens

Loafing Pen (Goats)

Slow River

Sheep Pen
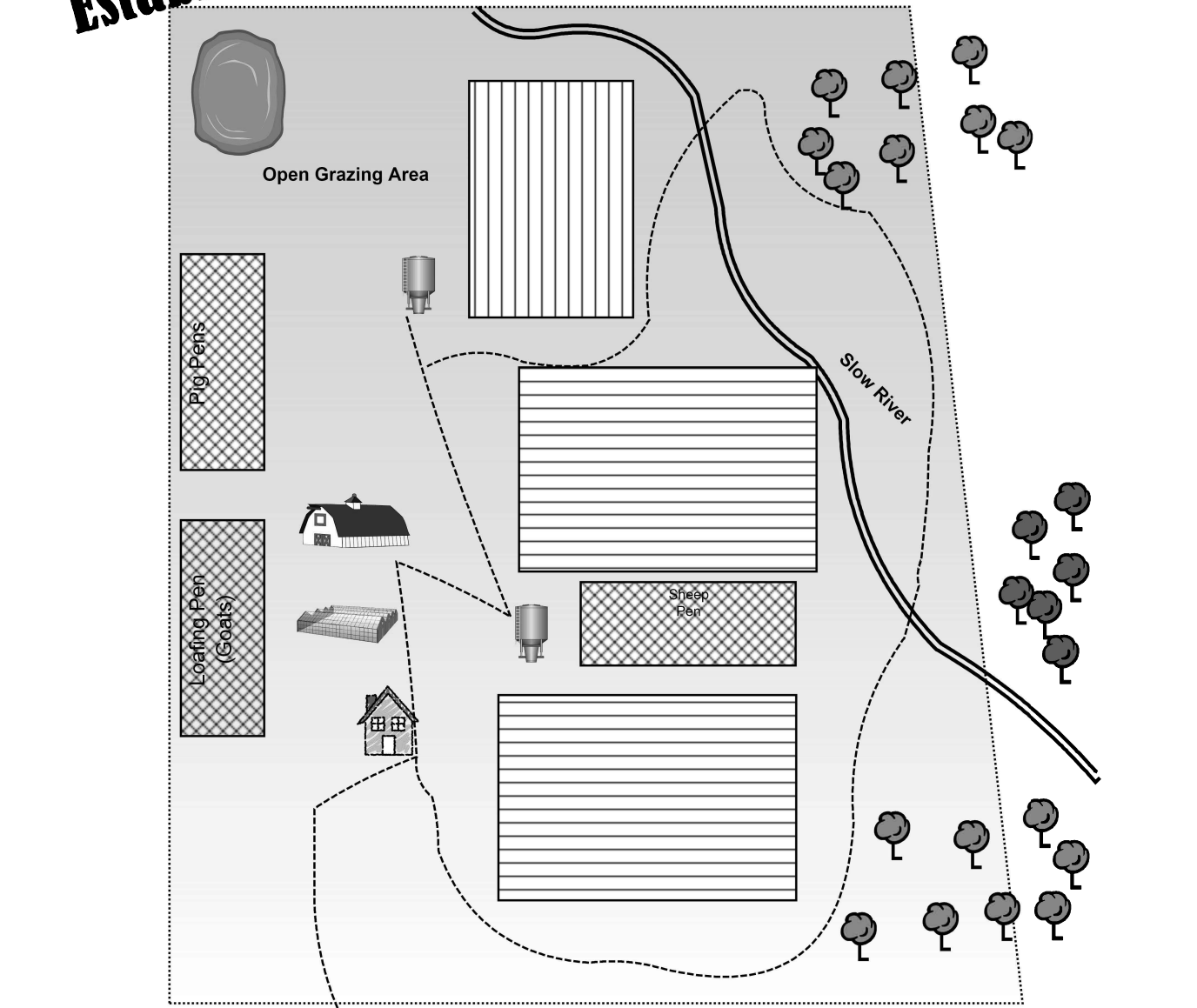
I43

I72 (Center City 10 Miles)

| LEGEND			
Farm Boundary	....	Animal Pen	
Dirt Road	– – –	Corn Field	
Highway	———	Apple Orchard	
River	═══	Peach Orchard	
Green House		Farm House	
Grain Silo		Barn	

Travis Farm Map

16. How many grain silos tanks are indicated on the map?
    a. 1
    b. 2
    c. 3
    d. 4

17. What is the scale of the map?
    a. 1 inch equals ½ mile
    b. 1 inch equals 1 mile
    c. 1 inch equals 2 miles
    d. Not indicated

18. Where on the farm is the loafing pen located?
    a. East
    b. West
    c. North
    d. South

19. What does the double black line indicate?
    a. Highway
    b. Farm Boundary
    c. River
    d. Dirt Road

20. How far is it to Center City from the farm?
    a. 2 miles
    b. 5 miles
    c. 10 miles
    d. 20 miles

21. What kind of animal is not kept on the farm?
    a. Pigs
    b. Goats
    c. Sheep
    d. Cows

22. What direction would you head from Center City to get to the farm?
    a. Southeast
    b. Southwest
    c. Northeast
    d. Northwest

23. Which is located immediately north of the sheep pen?
    a. Water Tank
    b. Farm House
    c. Barn
    d. Corn Field

24. How many types of orchards are shown on the map?
    a. 1
    b. 2
    c. 3
    d. 4

25. What is grown in the greenhouse?
    a. Herbs
    b. Flowers
    c. Corn
    d. Not indicated

TRUE/FALSE

26. The Travis Farm has apple and peach orchards.

27. The farm was established in 1789.

28. The farm grows three types of crops.

29. The dirt roads inside the farm crosses the Slow River twice.

30. The farm is north of I43.

Number of Farms, Average Farm Size and Total Farmland

Legend:
— Farms (million)
···· Average Farm Size (100 Acres Per Farm)
— — Land In Farms (billion acres)
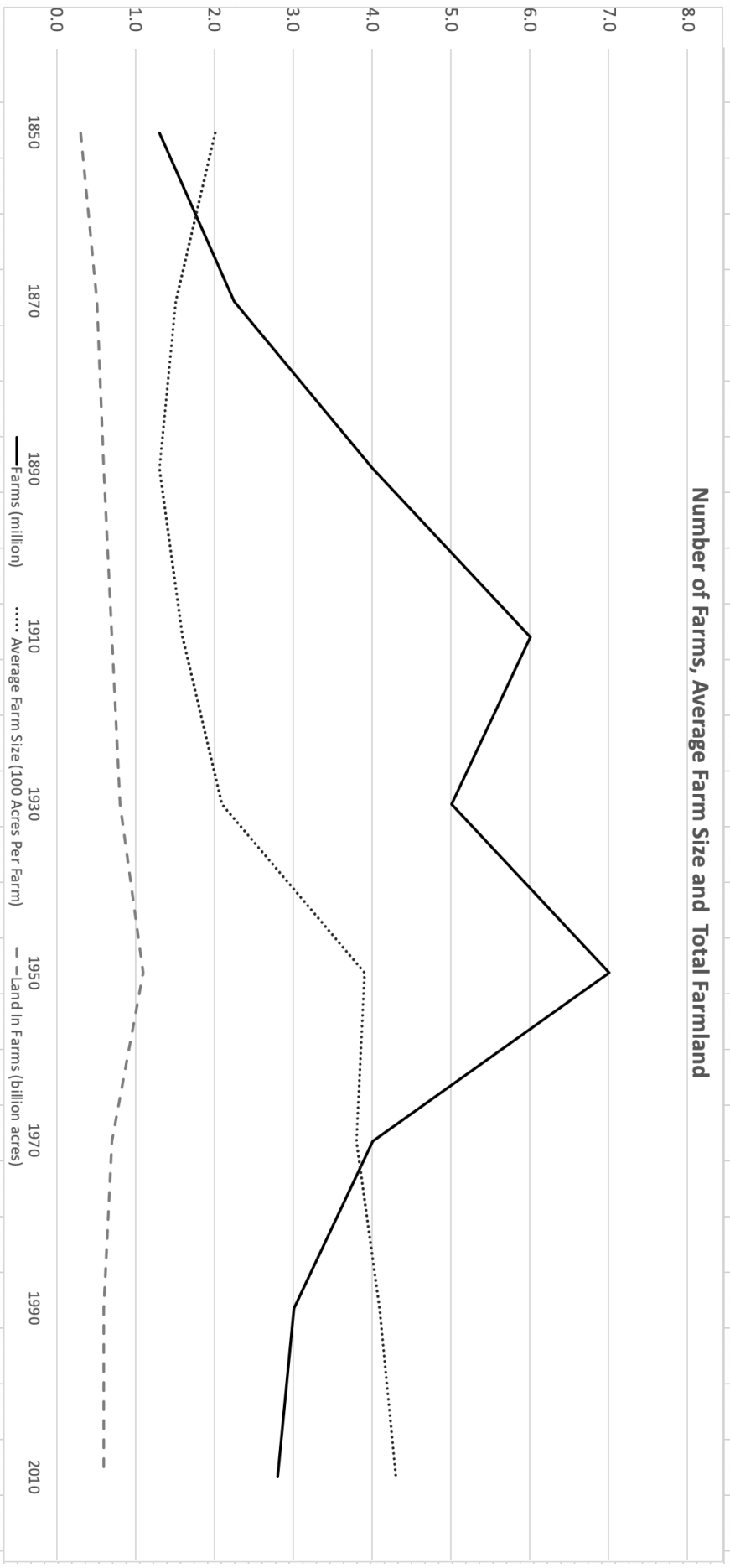
Number of Farms, Average Farm Size and Total Farmland

31. What does the y axis represent?
    a. Total number farms
    b. Average farm size
    c. Total land used in farms
    d. All of the above

32. What does the solid black line represent?
    a. Total number of farms
    b. Average farm size
    c. Total land used in farms
    d. The year

33. In what year did the number of acres used for farming peak?
    a. 2010
    b. 1950
    c. 1910
    d. 1850

34. What year saw the total number of farms decrease the most when compared to the previous data point?
    a. 1930
    b. 1970
    c. 1990
    d. 2010

35. What span of time is represented on the y axis?
    a. 160 years
    b. 100 years
    c. 150 years
    d. None of the above

36. What year saw the highest average size of farms?
    a. 1930
    b. 1970
    c. 1990
    d. 2010

37. Which category is measured in billions?
    a. Total number farms
    b. Average farm size
    c. Total land in farms
    d. All of the above

38. Since 1930, which category had the steadiest increase?
    a. Total number farms
    b. Average farm size
    c. Total land used in farms
    d. Impossible to determine

39. How many data points are displayed on the x axis?
    a. 9
    b. 7
    c. 3
    d. 160

40. How many farms were there in 1870?
    a. About 2 million
    b. About 2.5 million
    c. About 2.75 million
    d. About 3 million

TRUE/FALSE

41. Average farm size and number of farms always move in the opposite direction.

42. From the year the graph begins to where it ends, every category saw an increase.

43. Average farm size increased every year since 1910.

44. The peak in all three categories was in 1950.

45. Land in farms has changed the least over the time covered in the graph.

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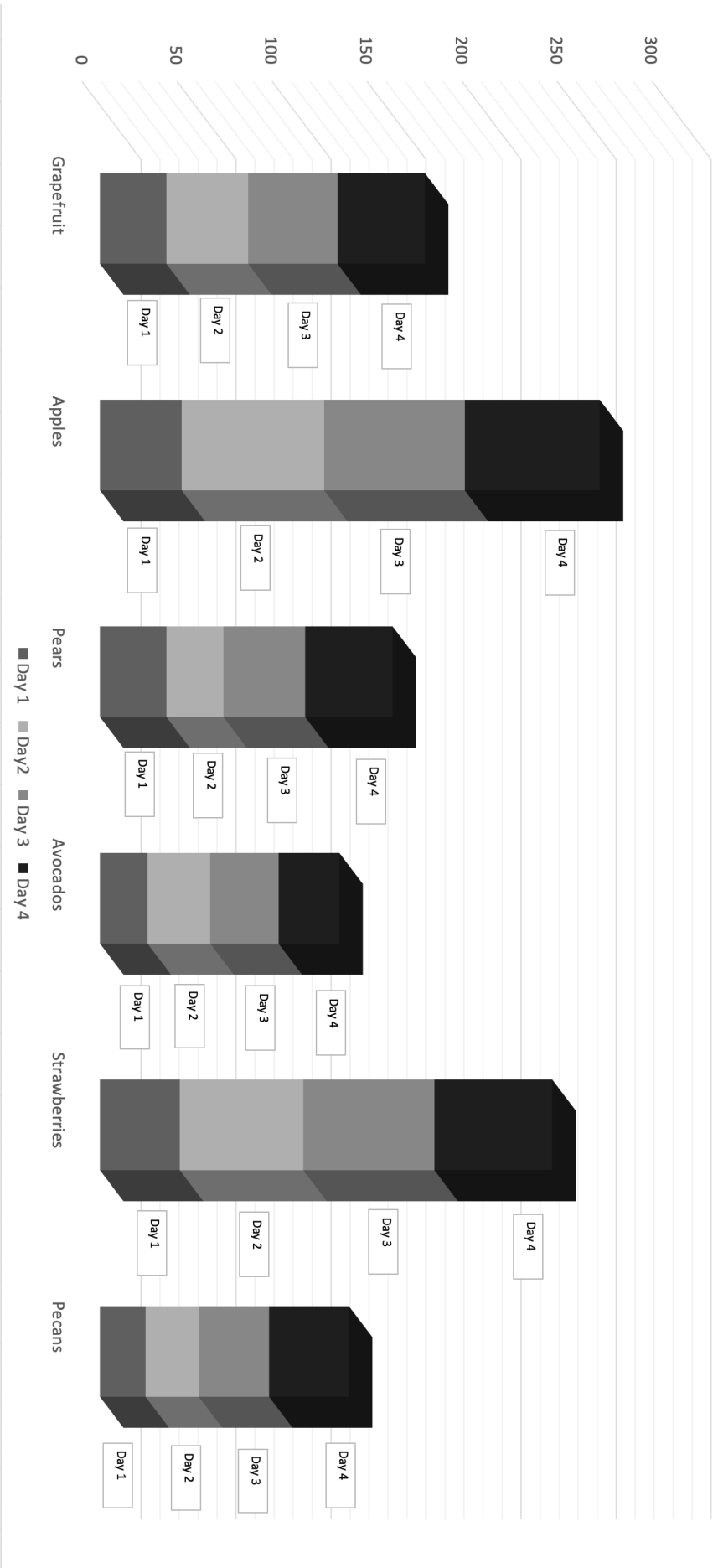
Europe: Precipitation, Climate and Land Use Maps

46. Which of the following is not a widespread economic use of land in Spain?
    a. Urban
    b. Commercial farming
    c. Subsistence farming
    d. Ranching or herding

47. Which of the following countries has large areas of no widespread economic use?
    a. Sweden
    b. Russia
    c. Norway
    d. Greece

48. Which of the following climate types can be found north of the Arctic Circle?
    a. Mediterranean
    b. Marine
    c. Cool Summer
    d. None of the above

49. What is the scale of the Land Use Map?
    a. One inch equals 470 miles
    b. One inch equals 565 miles
    c. One inch equals 358 miles
    d. Not indicated

50. What city can be found at 50.4501° N, 30.5234° E?
    a. Berlin, Germany
    b. Kiev, Ukraine
    c. Madrid, Spain
    d. Rome, Italy

51. The Atlantic Ocean is off the west coast of which of the following countries?
    a. France
    b. Hungary
    c. Turkey
    d. Greece

52. Which of the following countries has areas that receive only 10 to 20 inches of rain per year?
    a. Germany
    b. Netherlands
    c. Austria
    d. Finland

53. Subsistence farming occurs in what area of Iceland?
    a. North
    b. South
    c. East
    d. West

54. Steppe can mainly be found in what area of Europe?
    a. Southeast
    b. Southwest
    c. Northeast
    d. Northwest

TRUE/FALSE

55. Seven types of economic land use are indicated on the Climate map.

56. All tundra is located north of the Arctic Circle.

57. The climate type in Belgium is Marine.

58. Milan is located in an area of urban land use.

59. Steppe climates can be found in Spain.

60. Precipitation amounts in Spain vary from 10 to 20 inches per year to over 80 per year.

Farmer's Market Sales In Pounds

Legend: Day 1, Day2, Day 3, Day 4

Grapefruit: Day 1, Day 2, Day 3, Day 4
Apples: Day 1, Day 2, Day 3, Day 4
Pears: Day 1, Day 2, Day 3, Day 4
Avocados: Day 1, Day 2, Day 3, Day 4
Strawberries: Day 1, Day 2, Day 3, Day 4
Pecans: Day 1, Day 2, Day 3, Day 4

Axis: 0, 50, 100, 150, 200, 250, 300

Farmer's Market Sales in Pounds

61. What does the darkest solid on the column represent?
    a. Pounds
    b. Dollars
    c. Day 2
    d. Day 4

62. What period of time is represented on the graph?
    a. 4 days
    b. 1 weekend
    c. 4 weekends
    d. Not indicated

63. Which item had the highest total sales for the time represented on the graph?
    a. Grapefruit
    b. Apples
    c. Strawberries
    d. Pecans

64. What day had the lowest total of strawberries sold?
    a. Day 1
    b. Day 2
    c. Day 3
    d. Day 4

65. Which item had the lowest sales on Day 2?
    a. Pears
    b. Avocados
    c. Strawberries
    d. Pecans

66. Which item showed an increase in sale for every day listed?
    a. Grapefruit
    b. Avocados
    c. Strawberries
    d. Pecans

67. What do the numbers on the y axis represent?
    a. Day
    b. Sales in dollars
    c. Sales in pounds
    d. Daily visitors

68. How many items had total sales over 150?
    a. 0
    b. 2
    c. 3
    d. 4

69. On how many days did pears outsell avocados?
    a. 0
    b. 2
    c. 3
    d. 4

70. How many pounds of pecans were sold on Day 2?
    a. About 20
    b. About 30
    c. About 40
    d. About 50

TRUE/FALSE

71. All items had the least number of sales on day 1.

72. Strawberries sold more than grapefruits on every day.

73. Apples had the highest single day sales.

74. Avocados had the smallest day 4 sales.

75. The graph shows that apples made the most money during the time indicated on the graph.

University Interscholastic League
## A+ Maps/Graphs/Charts Contest • 2019-2020
5/6 Fall District
Answer Key

1. C	26. F	51. A
2. D	27. F	52. D
3. B	28. F	53. A
4. A	29. T	54. A
5. D	30. T	55. F
6. A	31. D	56. F
7. B	32. A	57. T
8. A	33. B	58. T
9. D	34. B	59. T
10. B	35. D	60. F
11. D	36. D	61. D
12. B	37. C	62. A
13. A	38. B	63. B
14. C	39. A	64. A
15. A	40. B	65. D
16. B	41. F	66. D
17. D	42. T	67. C
18. B	43. F	68. C
19. C	44. F	69. C
20. C	45. T	70. B
21. D	46. C	71. F
22. C	47. C	72. T
23. D	48. B	73. T
24. B	49. D	74. T
25. D	50. B	75. F

University Interscholastic League
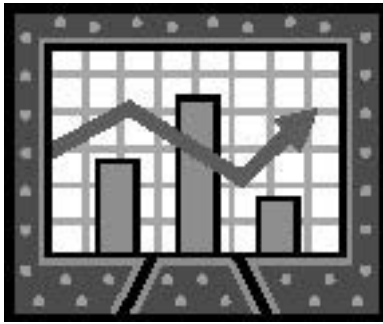
Maps, Graphs & Charts

grades 7 & 8

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Asia

1. The Iranian city of Tabriz is how far from the capital of the country?
   a. About 325 miles
   b. About 400 miles
   c. About 525 miles
   d. About 600 miles

2. Major oil fields are in what area of Saudi Arabia?
   a. North
   b. South
   c. East
   d. West

3. The Northern Mariana Islands are a territory of what country?
   a. India
   b. Russia
   c. Japan
   d. United States

4. The deepest lake on the continent is located in what country?
   a. China
   b. Russia
   c. Kazakhstan
   d. Indonesia

5. Which of the following countries has a border that spans two continents?
   a. Russia
   b. Azerbaijan
   c. Kazakhstan
   d. All of the above

6. How much of the continent receives 20 inches or less precipitation per year?
   a. About one tenth
   b. About twenty-five percent
   c. About one third
   d. More than half

7. What is the main land cover type on the North China Plain?
   a. Cropland
   b. Grassland
   c. Semi-desert & desert
   d. Broadleaf forest

8. Which of the following countries has the highest annual birth rate?
   a. India
   b. China
   c. Laos
   d. Turkey

9. What do the red lines on the Elevation map show?
   a. Elevation differences
   b. Continental boundaries
   c. Rivers
   d. International boundaries

10. Which city has the highest population?
    a. Uliastay, Mongolia
    b. Chita, Russia
    c. Kanpur, India
    d. Changji, China

11. What is the climate type in and around the Russian city of Tiksi?
    a. Desert
    b. Hot summer
    c. Cool Summer
    d. Tundra

12. Which of the following has the lowest population growth?
    a. China
    b. India
    c. Laos
    d. The World

13. What natural resource can be found in Pakistan?
    a. Oil
    b. Gold
    c. Coal
    d. Zinc

14. What country capital is located on the banks of the Red River?
    a. Beijing, China
    b. Hanoi, Vietnam
    c. Moscow, Russia
    d. None

15. A portion of the largest island on the continent is part of what country?
    a. Malaysia
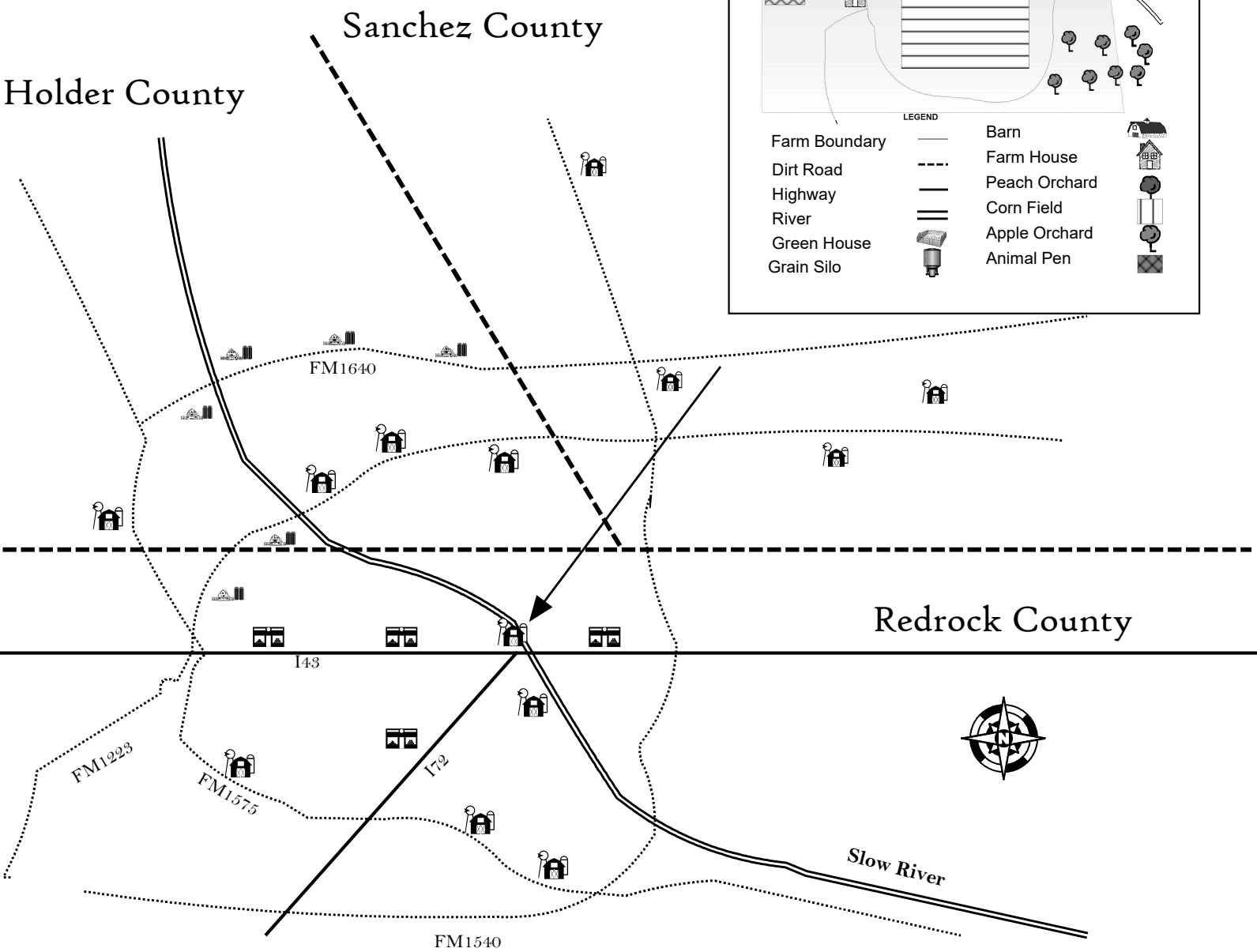   b. Russia
    c. India
    d. Japan

Tri-County Farm/Ranch/Fruit Stand Map

Sanchez County

Holder County

Open Grazing Area

Pig Pen

Slow River

Sheep Pen

Goat Pen (Goats)

LEGEND

Farm Boundary	....	Barn
Dirt Road	– – –	Farm House
Highway	———	Peach Orchard
River	═══	Corn Field
Green House		Apple Orchard
Grain Silo		Animal Pen

FM1640

Redrock County

I43

FM1223

FM1575

I72

Slow River

FM1540

Legend

County Line	– – – – –	Farm	
Highway	———	Fruit Stand	
Farm Road	....	Ranch	
River	═══		

16. How many counties are shown on the map?
    a. 2
    b. 3
    c. 4
    d. 5

17. One inch equals how many miles?
    a. 1
    b. 5
    c. 10
    d. Scale not indicated

18. What does the dotted line on the main map indicate?
    a. Highway
    b. Farm Road
    c. River
    d. Farm Boundary

19. How many ranches are located in the southernmost county?
    a. 0
    b. 1
    c. 2
    d. 3

20. The insert shows detail for what?
    a. A farm in Sanchez County
    b. A ranch in Redrock County
    c. A fruit stand in Holder County
    d. None of the above

21. What type of crop is grown on Travis Farm?
    a. Corn
    b. Wheat
    c. Barley
    d. Cotton

22. Which county has the most farms located in it?
    a. Redrock
    b. Holder
    c. Travis
    d. Sanchez

23. How many counties have fruit stands located in them?
    a. 0
    b. 1
    c. 2
    d. 3

24. The open grazing area is located on what portion of Travis Farm?
    a. West
    b. South
    c. East
    d. North

25. How many animal pens are shown on the insert map?
    a. 0
    b. 1
    c. 2
    d. 3

TRUE/FALSE

26. All fruit stands are located on highways.

27. FM 1640 runs through all counties shown on the map.

28. The Slow River runs through Travis Farm.

29. FM 1640 is south of both the highways shown on the map.

30. The double line on the main map and the insert both indicate highways.

Farm Sales By Quarter (in thousands of dollars)

Legend: ■ 1st Quarter   ■ 2nd Quarter   ■ 3rd Quarter   ■ 4th Quarter

2009
- 1st Quarter
- 2nd Quarter
- 3rd Quarter
- 4th Quarter

2010
- 1st Quarter
- 2nd Quarter
- 3rd Quarter
- 4th Quarter

2011
- 1st Quarter
- 2nd Quarter
- 3rd Quarter
- 4th Quarter

2012
- 1st Quarter
- 2nd Quarter
- 3rd Quarter
- 4th Quarter

2013
- 1st Quarter
- 2nd Quarter
- 3rd Quarter
- 4th Quarter

Axis: 0, 20, 40, 60, 80, 100, 120, 140, 160, 180
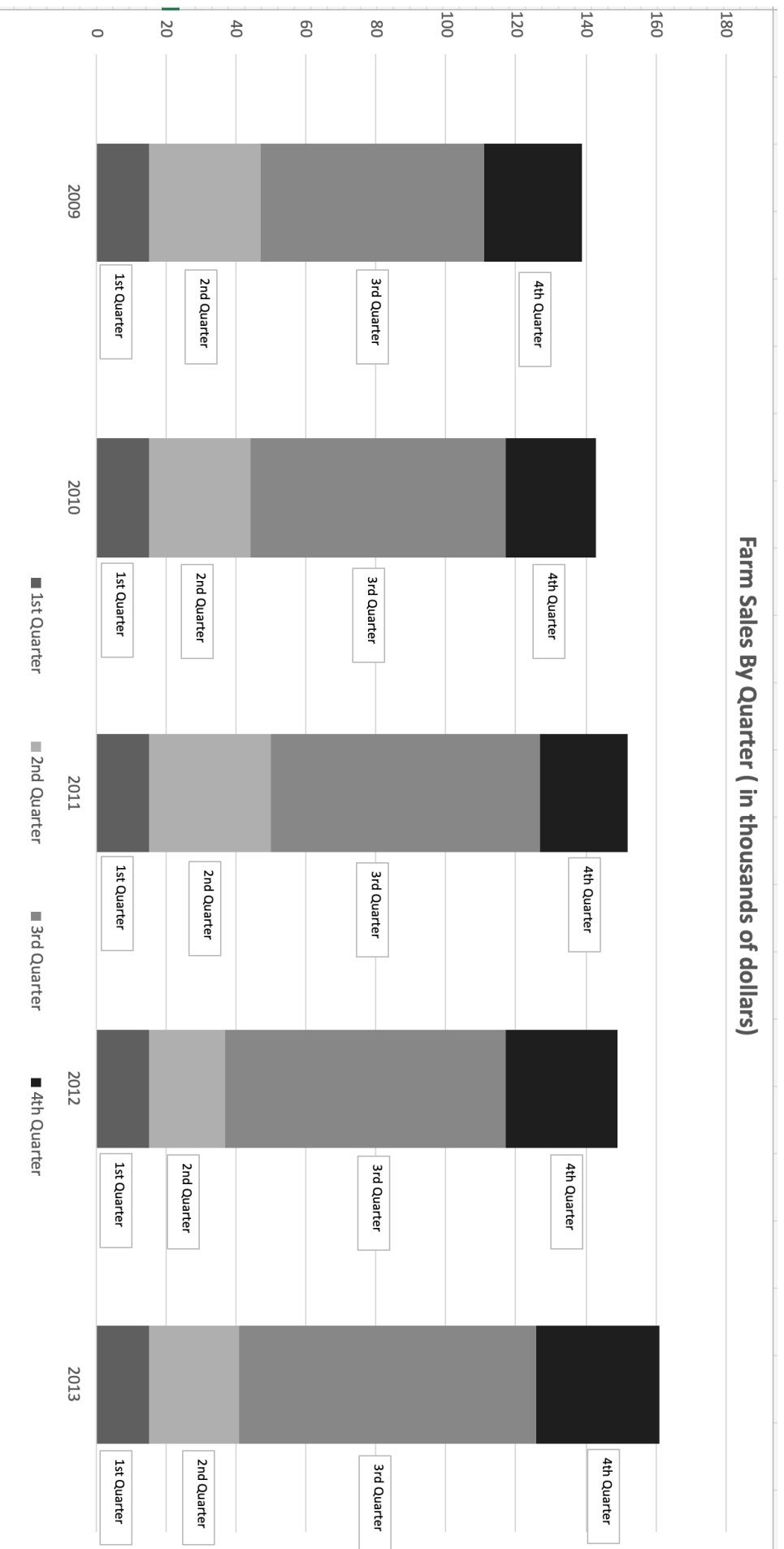
Farm Sales By Quarter

31. What do the numbers on the x axis represent?
    a. Sales by thousands of dollars
    b. The quarter
    c. The year
    d. None of the above

32. What year had the highest amount of sales?
    a. 2010
    b. 2011
    c. 2012
    d. 2013

33. What does the darkest portion of the columns represent?
    a. 2009
    b. 2013
    c. 1st quarter
    d. 4th quarter

34. What year saw the most sales in the second quarter?
    a. 2010
    b. 2011
    c. 2012
    d. 2013

35. How many quarters had a decrease in sales every year?
    a. 0
    b. 1
    c. 2
    d. 3

36. How many quarters had their highest sales in the last year represented on the chart?
    a. 0
    b. 1
    c. 2
    d. 3

37. What was the total amount of sales (in dollars) in 2010?
    a. $145
    b. $1,450
    c. $14,500
    d. $145,000

38. In how many quarters were there more sales in 2009 than 2012?
    a. 0
    b. 1
    c. 2
    d. 3

39. Which quarter of 2013 had the greatest increase from the same quarter of 2012?
    a. 1st
    b. 2nd
    c. 3rd
    d. 4th

40. How many times did sales in the first quarter surpass $2,000?
    a. 0
    b. 1
    c. 4
    d. 5

TRUE/FALSE

41. Total sales have gone up every year.

42. Sales are highest in the third quarter of every year.

43. Every quarter in 2013 saw sales of at least $20,000.

44. Five years are represented on the graph.

45. Third quarter sales accounted for at least half of total sales for every year.

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Australia and Oceania

46. What island is separated from Australia by the Bass Strait?
    a. Tasmania
    b. Melville Island
    c. New Zealand
    d. Timor

47. The Nullarbor Plain is located in what area of Australia?
    a. North
    b. South
    c. East
    d. West

48. Which indigenous people group is native to the island of New Guinea?
    a. Melanesians
    b. Polynesians
    c. Micronesians
    d. Aborigines

49. What Australian city can be found at 38° S, 144 E?
    a. Albany
    b. Ballarat
    c. Port Hedland
    d. Townsville

50. Which is the largest ethnic population in New Zealand?
    a. European
    b. Maori
    c. Asian
    d. Other Polynesian

51. The Cook Islands are part of what country?
    a. Australia
    b. Vanuatu
    c. New Zealand
    d. United States

52. What does the yellow line around the Northern Mariana Islands indicate?
    a. Official international boundaries
    b. Cultural differentiation
    c. A disputed boundary
    d. Island groups with the same government

53. The east coast of Australia receives which of the following ranges of precipitation per year?
    a. Over 80 inches
    b. 40 to 80 inches
    c. 20 to 40 inches
    d. None of the above

54. Which of the following is east of the International Date Line?
    a. China
    b. The Hawaiian Islands
    c. Kiribati
    d. None of the above

55. What are the white dots on the Political Relief Map?
    a. Continental Boundary
    b. International Boundary
    c. International Date Line
    d. The Equator

56. Which of the following rivers is the longest?
    a. Darling
    b. Murray
    c. Lachlan
    d. Finders

57. In New Zealand, what are large sheep ranches called?
    a. Stations
    b. Sheep Farms
    c. Sheep Pens
    d. Outbacks

58. The Cook Strait runs next to what country capital?
    a. Wellington, New Zealand
    b. Canberra, Australia
    c. Jakarta, Indonesia
    d. Blenheim, New Zealand

59. The Great Barrier Reef is located off what Australian Coast?
    a. Southeast
    b. Southwest
    c. Northeast
    d. Northwest

60. Which is the capital of the state of Queensland?
    a. Perth
    b. Brisbane
    c. Gold Coast
    d. Sydney

Crop Prices (Dollars) Per Bushel
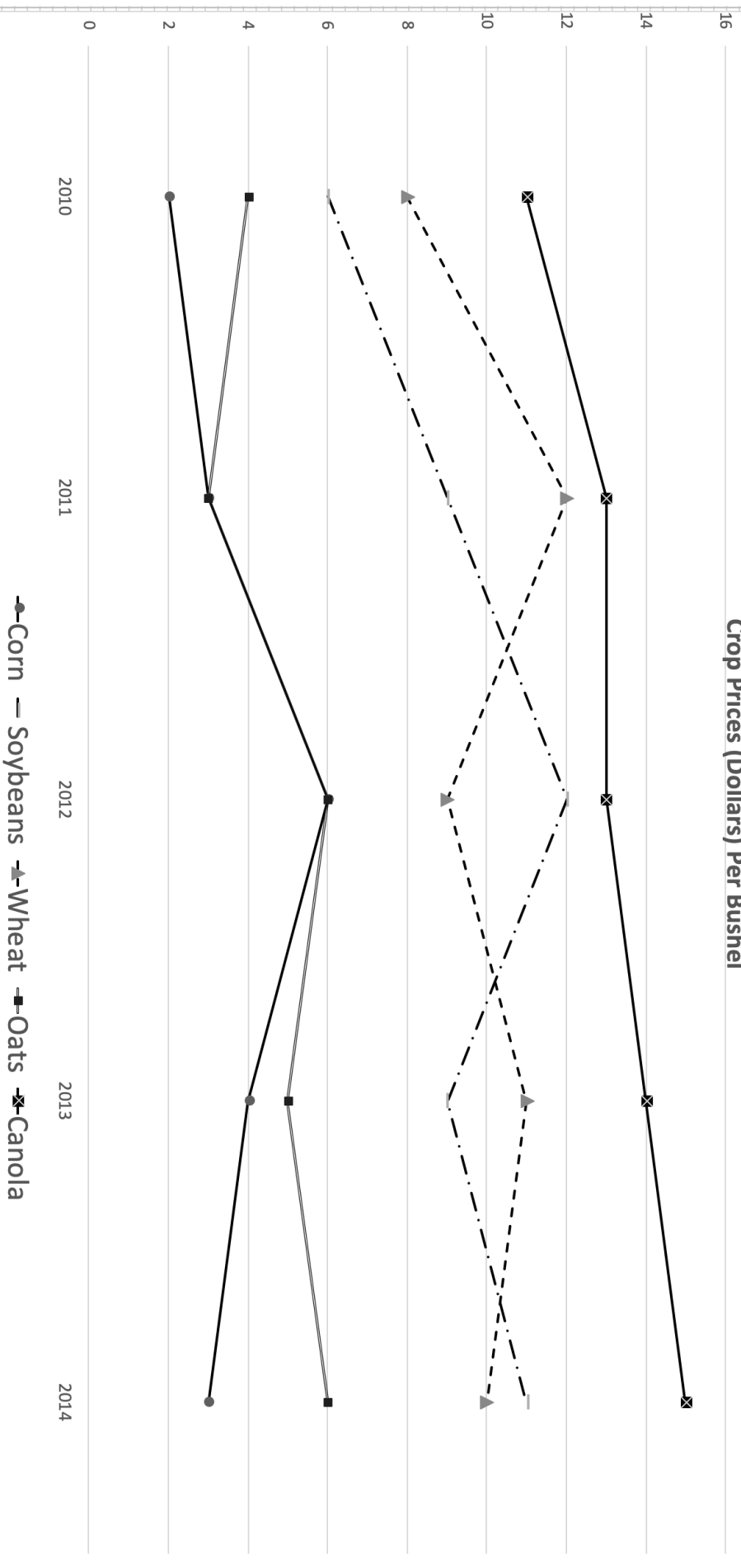
Corn — Soybeans Wheat Oats Canola

Crop Prices (Dollars) Per Bushel

61. What does the line with the square with an "x" represent?
    a. The year 2010
    b. The year 2011
    c. Oats
    d. Canola

62. How many different crops are represented?
    a. 4
    b. 5
    c. 10
    d. 15

63. Which crop averaged the highest price over the time covered in the graph?
    a. Canola
    b. Corn
    c. Soybeans
    d. Wheat

64. How many crops had a lower price in 2011 when compared to 2010?
    a. 0
    b. 1
    c. 2
    d. 3

65. How many times did different crops end up with the same price in a single year?
    a. 0
    b. 1
    c. 2
    d. 3

66. Which crop had the biggest price gain in a single year?
    a. Canola
    b. Corn
    c. Soybeans
    d. Wheat

67. How many crops rose in price every year?
    a. 0
    b. 1
    c. 2
    d. 3

68. How many times did the price of wheat drop when compared to the previous year?
    a. 0
    b. 1
    c. 2
    d. 3

69. The price is indicated in dollars per what?
    a. Pound
    b. 100 pounds
    c. Kilo
    d. None of the above

70. How many crops had their highest price in 2010?
    a. 0
    b. 1
    c. 2
    d. 3

TRUE/FALSE

71. The graph does not indicate the profit made from each crop.

72. Corn either had the lowest price or tied for the lowest price every year.

73. The price of soybeans only declined twice.

74. All crops had their lowest price in the first year shown on the graph.

75. The highest price any crop reached in any year was $16 per bushel.

University Interscholastic League
## A+ Maps/Graphs/Charts Contest • 2019-2020
7/8 Fall District
Answer Key

1. A	26. T	51. C
2. C	27. F	52. D
3. D	28. T	53. B
4. B	29. F	54. B
5. D	30. F	55. A
6. D	31. C	56. B
7. A	32. D	57. A
8. C	33. D	58. A
9. D	34. B	59. C
10. C	35. A	60. B
11. D	36. D	61. D
12. A	37. D	62. B
13. A	38. B	63. A
14. B	39. C	64. B
15. A	40. D	65. C
16. B	41. F	66. D
17. D	42. T	67. A
18. B	43. T	68. C
19. B	44. T	69. D
20. D	45. T	70. A
21. A	46. A	71. T
22. A	47. B	72. T
23. B	48. A	73. F
24. D	49. B	74. F
25. D	50. A	75. F

A+ ACADEMICS

University Interscholastic League
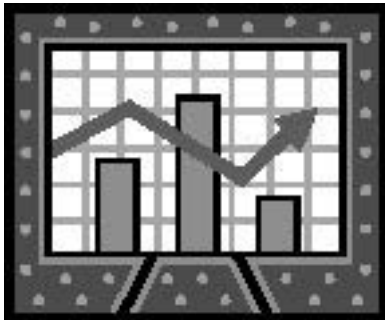
Maps, Graphs & Charts

grades 5 & 6

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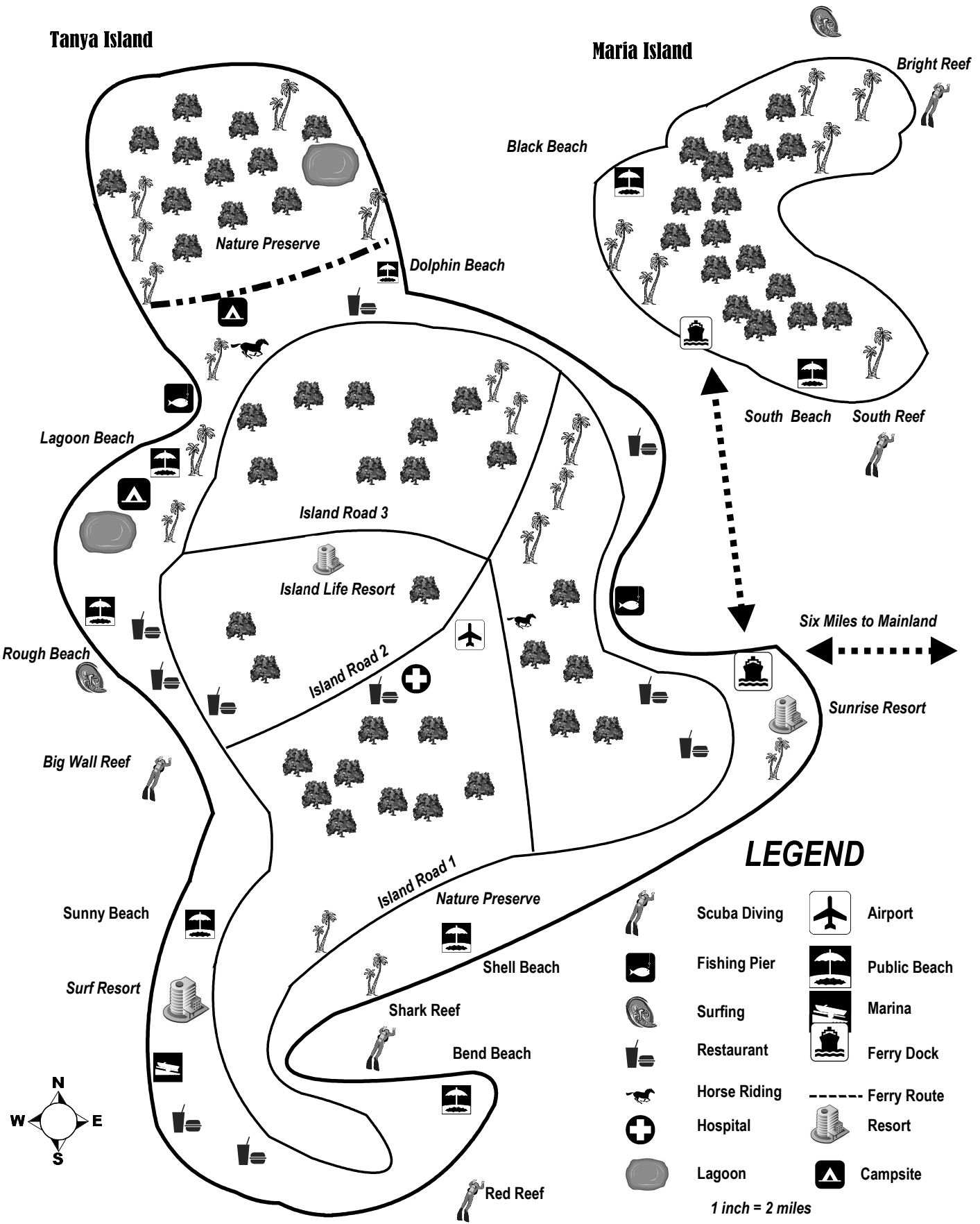
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South America Political Relief Map

1. How many country capitals are located on the shores of Rio de la Plata?
   a. 0
   b. 1
   c. 2
   d. 3

2. What city of over 1,000,000 people can be found at about 30° S?
   a. Santa Maria, Brazil
   b. Porto Alegre, Brazil
   c. La Serena, Chile
   d. Medellin, Columbia

3. Why are the countries in the northwest corner of the map, like Belize and El Salvador, all filled in with the same color?
   a. They have a single governmental body
   b. They belong to a different continent
   c. They have the same land cover
   d. None of the above

4. The Parana River forms the border between Paraguay and what other country?
   a. Argentina
   b. Peru
   c. Guyana
   d. Ecuador

5. How far is it from the city of Trujillo to the country's capital?
   a. About 200 miles
   b. About 300 miles
   c. About 400 miles
   d. About 500 miles

6. Juan Fernandez Island is a territory of what country?
   a. Brazil
   b. Venezuela
   c. Peru
   d. Chile

7. The Tropic of Cancer crosses which of the following countries?
   a. Argentina
   b. Ecuador
   c. Suriname
   d. None of the above

8. Which of the following cities is the largest?
   a. La Serena, Chile
   b. Cusco, Peru
   c. Salvador, Brazil
   d. Salto, Uruguay

9. The Andes Mountains are in what part of the continent?
   a. North
   b. South
   c. East
   d. West

10. What does a double line across a river represent?
    a. Waterfalls
    b. Dams
    c. Canals
    d. None of the above

11. The Strait of Magellan runs through which of the following countries?
    a. Brazil
    b. Colombia
    c. Bolivia
    d. Chile

12. The water from Lake Titicaca flows down a river into what other body of water?
    a. Scotia Sea
    b. Atlantic Ocean
    c. Lake Poopo
    d. Patos Lagoon

13. Which countries capital is closest to the equator?
    a. Suriname
    b. Bolivia
    c. Brazil
    d. Uruguay

14. Which of the following rivers is not connected to the Amazon River?
    a. Negro River
    b. Purus River
    c. Salado River
    d. None of the above

15. How many cities of over 1,000,000 are in Guyana?
    a. 0
    b. 1
    c. 2
    d. 3

Spring 5/6 2019-2020

Two Sisters Islands

Tanya Island

Maria Island

Black Beach

Bright Reef

Nature Preserve

Dolphin Beach

Lagoon Beach

South Beach   South Reef

Island Road 3

Island Life Resort

Six Miles to Mainland

Island Road 2

Sunrise Resort

Rough Beach

Big Wall Reef

Sunny Beach

Surf Resort

Island Road 1

Nature Preserve

Shell Beach

Shark Reef

Bend Beach

Red Reef

LEGEND
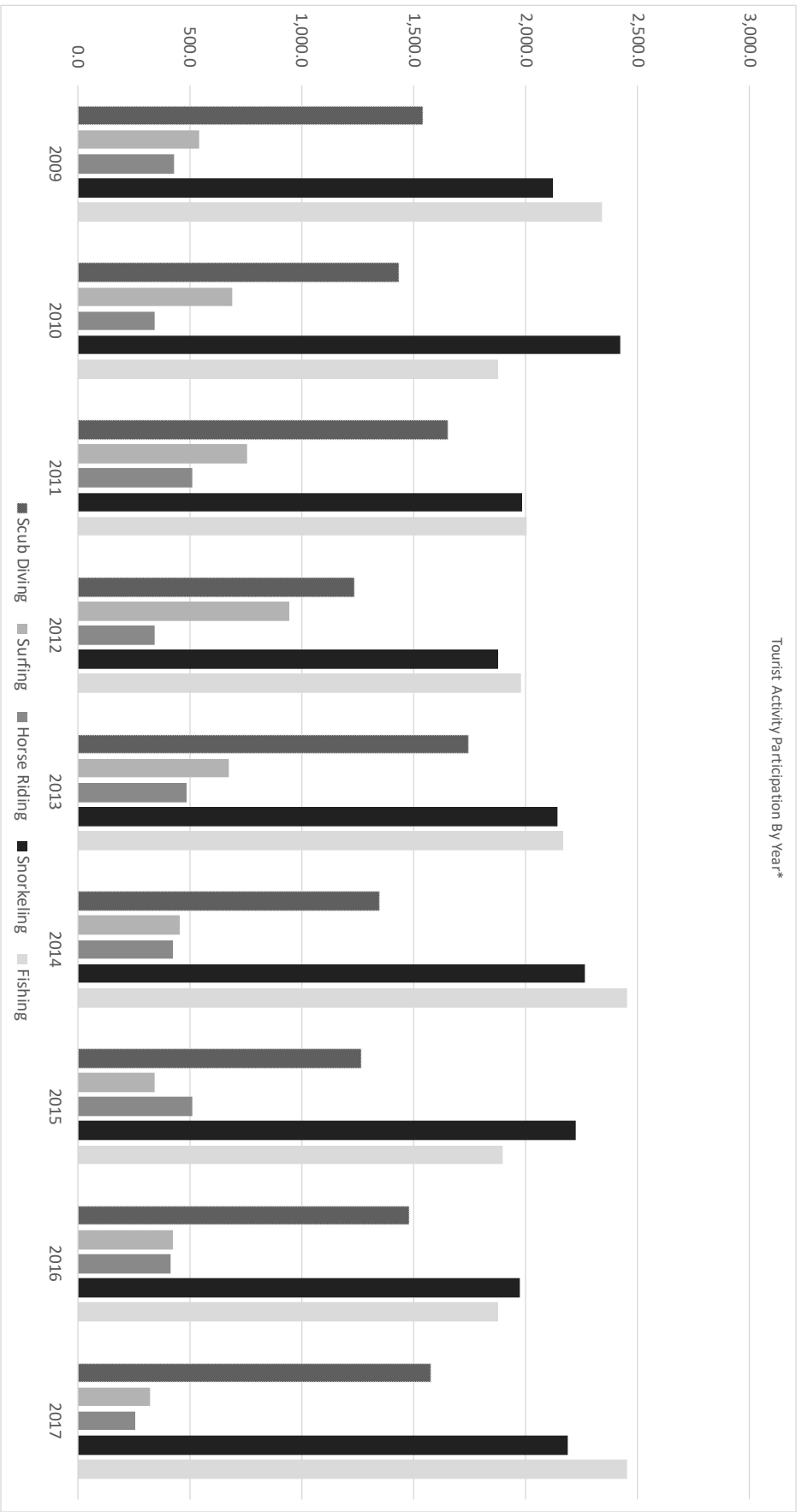
Scuba Diving		Airport	
Fishing Pier		Public Beach	
Surfing		Marina	
Restaurant		Ferry Dock	
Horse Riding		Ferry Route	
Hospital		Resort	
Lagoon		Campsite	

1 inch = 2 miles

N
W   E
S

16. How many resorts are on Maria Island?
    a. 0
    b. 1
    c. 2
    d. 3

17. How many inches from the ferry dock on Tanya Island would the mainland be if it were shown on the map?
    a. 1
    b. 2
    c. 3
    d. 4

18. Red Reef is located off what area of Tanya Island?
    a. East
    b. West
    c. North
    d. South

19. What does the dotted line indicate?
    a. Island Road
    b. Ferry Route
    c. Island Boundary
    d. None of the above

20. Which beach is located next to a campsite?
    a. Lagoon Beach
    b. South Beach
    c. Sunny Beach
    d. Bend Beach

21. What type of recreation can be found near South Beach?
    a. Surfing
    b. Horse Riding
    c. Scuba Diving
    d. None of the above

22. What direction does the ferry go to take passengers from Maria Island to Tanya Island?
    a. East
    b. West
    c. North
    d. South

23. Going by the main roads show on the map, which resort has the shortest drive to go horse riding?
    a. Surf Resort
    b. Island Life Resort
    c. Sunrise Resort
    d. Pebble Beach Resort

24. How many surfing areas are shown on the map?
    a. 1
    b. 2
    c. 3
    d. 4

25. How long is Island Road 3?
    a. About 5 miles
    b. About 9 miles
    c. About 14 miles
    d. About 20 miles

TRUE/FALSE

26. The ferry goes directly from Maria Island to the mainland.

27. All of the resorts are accessible from Island Road 1.

28. All diving areas are associated with reefs.

29. The mainland is six miles west of Tanya Island.

30. The airport is less than two miles southwest of the hospital.

Tourist Activity Participation By Year*

Legend:
- ■ Scub Diving
- ■ Surfing
- ■ Horse Riding
- ■ Snorkeling
- ■ Fishing

Years: 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017

Axis values: 0.0, 500.0, 1,000.0, 1,500.0, 2,000.0, 2,500.0, 3,000.0

*Numbers based on participation in post visit survey. About half of all surveys sent out were returned.

Tourist Activity Participation By Year

31. Years are represented on what axis?
    a. X
    b. Y
    c. Both
    d. Neither

32. What does the darkest bar represent?
    a. 2013
    b. 2017
    c. Surfing
    d. Snorkeling

33. Which of the following years saw the highest number of tourists go fishing?
    a. 2014
    b. 2013
    c. 2012
    d. 2011

34. How many categories saw increases in participation in every year?
    a. 0
    b. 1
    c. 2
    d. 3

35. What year saw the biggest jump in participation in surfing from the previous year?
    a. 2014
    b. 2013
    c. 2012
    d. 2011

36. What year had the highest combined numbers?
    a. 2013
    b. 2014
    c. 2015
    d. 2016

37. In how many years were there more tourist riding horses than surfing?
    a. 0
    b. 1
    c. 2
    d. 3

38. How many years of data are displayed on the graph?
    a. 7
    b. 8
    c. 9
    d. 10

39. How many activities had above 1,500 participants in every year?
    a. 1
    b. 2
    c. 3
    d. 4

40. Which of the following had the highest combined participation across all years show on the graph?
    a. Scuba Diving
    b. Surfing
    c. Horse Riding
    d. Fishing

TRUE/FALSE

41. The graph displays information for all tourist during that time period.

42. Either fishing or snorkeling saw the highest amount of participation every year.

43. 2011 had increases in participation from the previous year in every category.

44. Participation in fishing never dropped below 2,000 for the year.

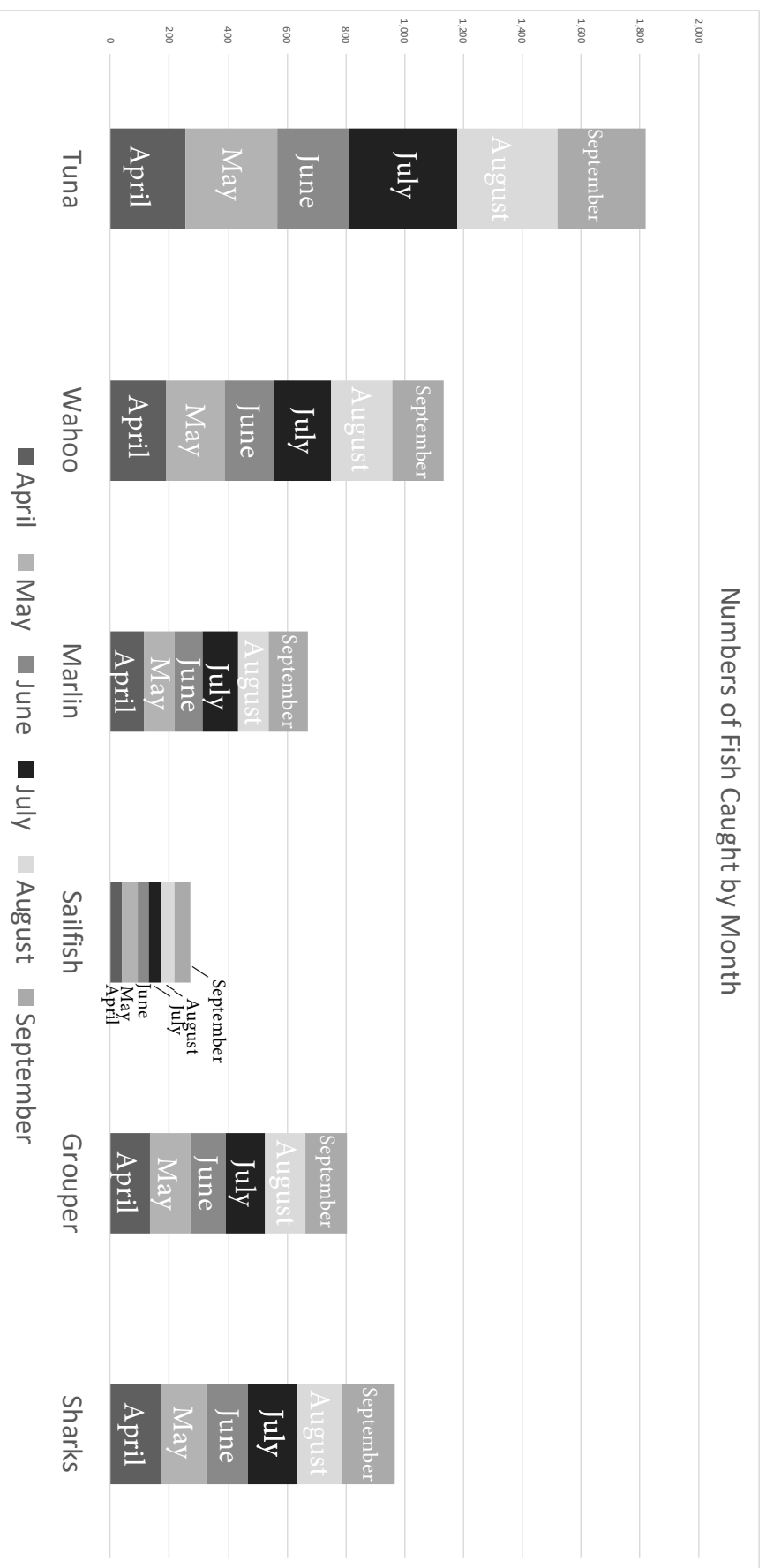45. Scuba diving was always the third most popular activity.

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Antarctica Land Cover Map and The Artic Land Cover Map

46. What do the red dots on the Antarctica Land Cover Map indicate?
    a. Capitals
    b. Continental Boundary
    c. Research Stations
    d. International Boundary

47. What is the vertical exaggeration of the cross section of the Antarctica Land Cover Map?
    a. 25 to 1
    b. 31 to 1
    c. 37 to 1
    d. 42 to 1

48. What body of water separates Norway from the United Kingdom?
    a. Norwegian Sea
    b. North Sea
    c. Sea of Okhotsk
    d. Kara Sea

49. How far is from the South Pole to Vostok Research Station?
    a. About 500 miles
    b. About 650 miles
    c. About 800 miles
    d. About 950 miles

50. The Prime Meridian runs through which of the following?
    a. South Pole
    b. North Pole
    c. Both of the above
    d. None of the above

51. The land cover type on Baffin Island is mostly of what type?
    a. Tundra
    b. Glacier
    c. Grassland
    d. Cropland

52. What city can be found at 54° N, 113° W?
    a. Helsinki
    b. Edmonton
    c. Moscow
    d. London

53. The Lena River flows through what country?
    a. Norway
    b. Greenland
    c. Canada
    d. Russia

54. The Casey Research Station is run by what nation?
    a. Australia
    b. Russia
    c. United States
    d. Canada

TRUE/FALSE

55. The land cover is more varied in the Arctic than in Antarctica.

56. Helsinki, Finland is just north of the Arctic Circle.

57. South Shetland Island is a territory of the United States.

58. The Syowa Research Station is owned by Japan.

59. Tundra can be found on the Scandinavian Peninsula.

60. The Antarctica Land Cover Map and The Arctic Land Cover Map have the same scale.

Numbers of Fish Caught by Month

Legend: ■ April ■ May ■ June ■ July ■ August ■ September

Categories: Tuna, Wahoo, Marlin, Sailfish, Grouper, Sharks

Axis values: 0, 200, 400, 600, 800, 1,000, 1,200, 1,400, 1,600, 1,800, 2,000

Numbers of Fish Caught by Month

61. What does the Y axis indicate?
    a. Number of fish caught
    b. The type of fish caught
    c. The total pounds of fish caught
    d. None of the above

62. In what month were the most sharks caught?
    a. June
    b. July
    c. August
    d. September

63. Which of the following had the least total amount caught over the time shown in the graph?
    a. Wahoo
    b. Marlin
    c. Grouper
    d. Sharks

64. In how many months were more wahoo caught than tuna?
    a. 0
    b. 1
    c. 2
    d. 3

65. Which type of fish was caught the most in the month of June?
    a. Tuna
    b. Wahoo
    c. Marlin
    d. Sailfish

66. Which of the following months had the highest numbers caught for all types combined?
    a. May
    b. June
    c. July
    d. August

67. How many different years are represented on the graph?
    a. 1
    b. 2
    c. 3
    d. 4

68. In how many months did grouper catches fall below 100?
    a. 0
    b. 2
    c. 3
    d. 4

69. How many types of fish had total catches over 1,000 for all months combined?
    a. 0
    b. 2
    c. 3
    d. 4

70. About how many wahoo were caught in May?
    a. About 100
    b. About 200
    c. About 300
    d. About 400

TRUE/FALSE

71. In April more sharks than grouper were caught.

72. June had the fewest number of catches for all types of fish.

73. The darkest portion on all of the columns represent a single type of catch.

74. The highest number of sailfish were caught in September.

75. Each column represents one month.

UIL

University Interscholastic League
A+ Maps/Graphs/Charts Contest • 2019-2020
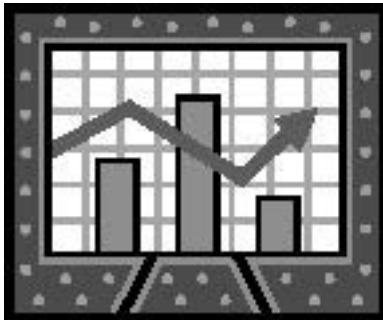**5/6 Spring District**
Answer Key

1. C	26. F	51. A
2. B	27. F	52. B
3. B	28. T	53. D
4. A	29. F	54. A
5. B	30. F	55. T
6. D	31. A	56. F
7. D	32. D	57. F
8. C	33. A	58. T
9. D	34. A	59. T
10. A	35. C	60. F
11. D	36. A	61. A
12. C	37. B	62. D
13. A	38. C	63. B
14. C	39. B	64. A
15. A	40. D	65. A
16. A	41. F	66. C
17. C	42. T	67. A
18. D	43. F	68. A
19. B	44. F	69. B
20. A	45. T	70. B
21. C	46. C	71. T
22. D	47. C	72. T
23. B	48. B	73. F
24. B	49. C	74. T
25. A	50. C	75. F

University Interscholastic League

Maps, Graphs & Charts
grades 7 & 8

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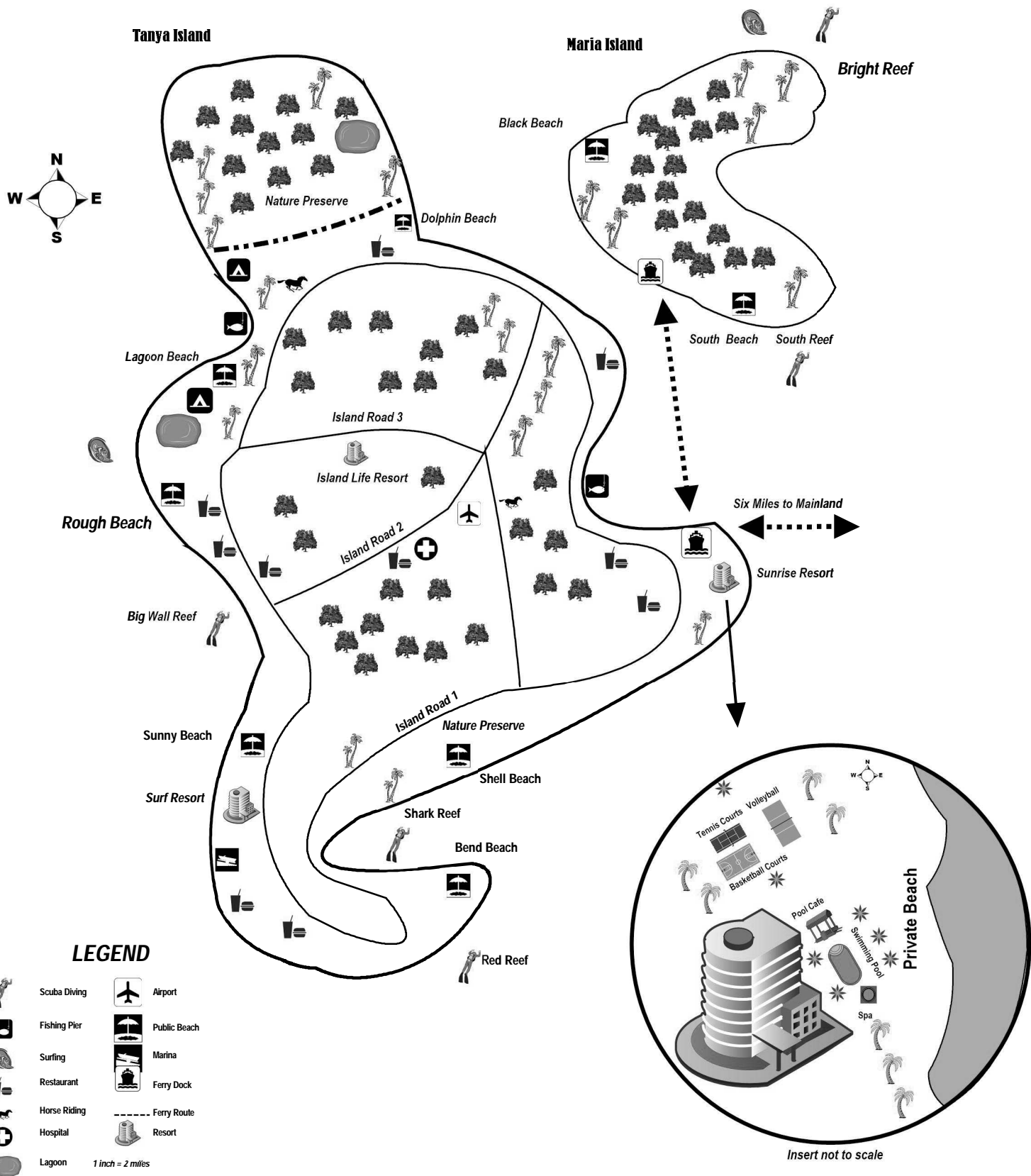
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Europe

1. What is the climate type in southern Bulgaria?
   a. Cool Summer
   b. Hot summer
   c. Marine
   d. Mediterranean

2. The continent's largest lake is located in what area of the continent?
   a. Northwest
   b. Southeast
   c. Northeast
   d. Southwest

3. Which of the following countries gets the highest percentage of their energy from hydroelectricity?
   a. Norway
   b. France
   c. Finland
   d. Spain

4. The Carpathian Mountains run through which of the following countries?
   a. Sweden
   b. Russia
   c. Slovakia
   d. France

5. The Labrador Current runs in what direction?
   a. North to south
   b. South to north
   c. East to west
   d. West to east

6. What do the blue and white lines on various maps indicate?
   a. Water and sea floor
   b. International boundaries
   c. Rivers
   d. Dams

7. How far is it from Gavle, Sweden to Kiruna, Sweden?
   a. About 200 miles
   b. About 300 miles
   c. About 400 miles
   d. About 500 miles

8. What is the highest elevation range in Latvia?
   a. Below sea level
   b. 0 to 500 feet
   c. 1,000 feet to 2,000 feet
   d. 5,000 feet to 10,000 feet

9. What is the main land cover type of Ireland?
   a. Cropland
   b. Grassland
   c. Tundra
   d. Needleleaf forest

10. What is the population range around the area of Milan, Italy?
    a. 0 to 5 per square mile
    b. 50 to 100 per square mile
    c. 100 to 250 per square mile
    d. Over 250 per square mile

11. Which of the following countries contains one of the largest urban areas in Europe?
    a. Germany
    b. Russia
    c. Spain
    d. Italy

12. Lake Geneva forms the border of which of the following countries?
    a. Ukraine
    b. Finland
    c. Norway
    d. France

13. What percentage of the Netherlands lies below sea level?
    a. About 25 percent
    b. About 50 percent
    c. About 75 percent
    d. Almost 100 percent

14. Which of the following countries has areas of ranching or herding?
    a. Spain
    b. Poland
    c. United Kingdom
    d. Denmark

15. The Don River flows into what body of water?
    a. Barents Sea
    b. Sea of Azov
    c. North Sea
    d. Lake Ladoga

Two Sisters Islands
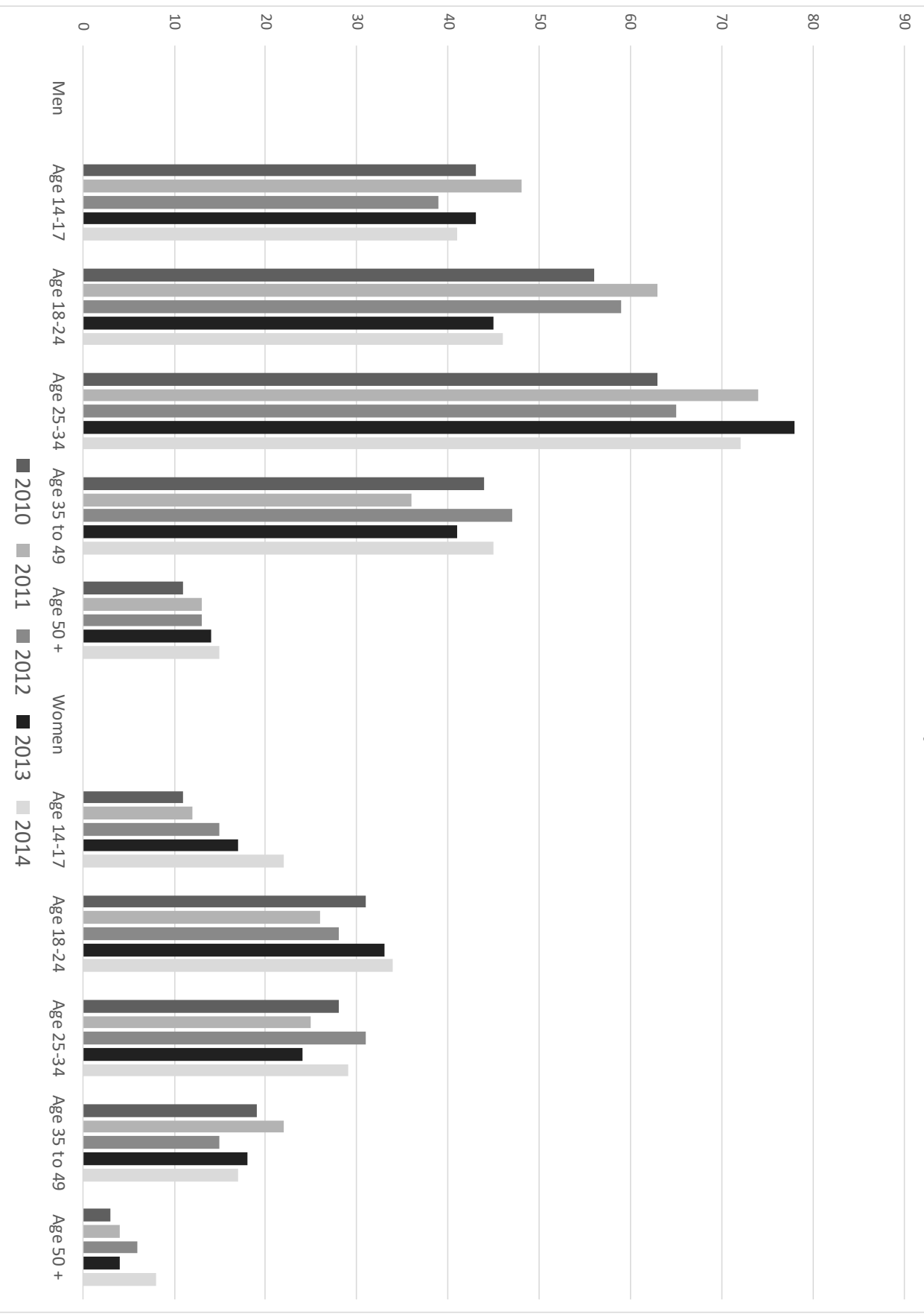
Tanya Island

Maria Island

Bright Reef

Black Beach

Nature Preserve

Dolphin Beach

N
W E
S

Lagoon Beach

Island Road 3

South Beach   South Reef

Island Life Resort

Six Miles to Mainland

Rough Beach

Island Road 2

Sunrise Resort

Big Wall Reef

Island Road 1

Sunny Beach

Nature Preserve

Shell Beach

Surf Resort

Shark Reef

Bend Beach

Red Reef

Private Beach

Tennis Courts   Volleyball

N
W E
S

Basketball Courts

Pool Cafe

Swimming Pool

Spa

Insert not to scale

LEGEND

Scuba Diving		Airport	
Fishing Pier		Public Beach	
Surfing		Marina	
Restaurant		Ferry Dock	
Horse Riding		Ferry Route	
Hospital		Resort	
Lagoon			

1 inch = 2 miles

Two Sisters Islands

16. What is the scale of the insert?
    a. One inch equals two miles
    b. One inch equals four miles
    c. One inch equals eight miles
    d. Not indicated

17. How many horse riding recreation areas are shown on the map?
    a. 0
    b. 1
    c. 2
    d. 3

18. How many private beaches are shown on the map?
    a. 0
    b. 1
    c. 8
    d. 9

19. The ferry docks in what area of Maria Island?
    a. Southeast
    b. Southwest
    c. Northeast
    d. Northwest

20. The insert shows detail for what?
    a. Sunrise Resort
    b. Surf Resort
    c. Maria Island
    d. Island Life Resort

21. Which reef is the furthest north?
    a. Red Reef
    b. Big Wall Reef
    c. Bright Reef
    d. South Reef

22. What does the line with alternating dashes and dots indicate?
    a. Ferry Route
    b. Island Road
    c. Island Boundary
    d. Nature Preserve Boundary

23. Using the main island roads shown on the map, which resort has the shortest drive to the airport?
    a. Island Life Resort
    b. Sunrise Resort
    c. Surf Resort
    d. Big Wall Resort

24. Surf Resort is located on what area of Tanya Island?
    a. Southeast
    b. Southwest
    c. Northeast
    d. Northwest

25. How many restaurants are shown on Maria Island?
    a. 0
    b. 1
    c. 8
    d. 9

TRUE/FALSE

26. The map insert shows Surf Resort has direct access to a private beach.

27. Black Beach Resort is located on Maria Island.

28. The Sunrise Resort's Spa is just east of the main resort building.

29. Dolphin Beach is the beach located closest to the nature preserve.

30. Tanya Island is six miles west of the mainland.

Surfer Numbers on Maria Island By Year and Gender

Legend:
- 2010
- 2011
- 2012
- 2013
- 2014

Categories:
Men
- Age 14-17
- Age 18-24
- Age 25-34
- Age 35 to 49
- Age 50 +

Women
- Age 14-17
- Age 18-24
- Age 25-34
- Age 35 to 49
- Age 50 +

Surfer Numbers on Maria Island by Year and Gender
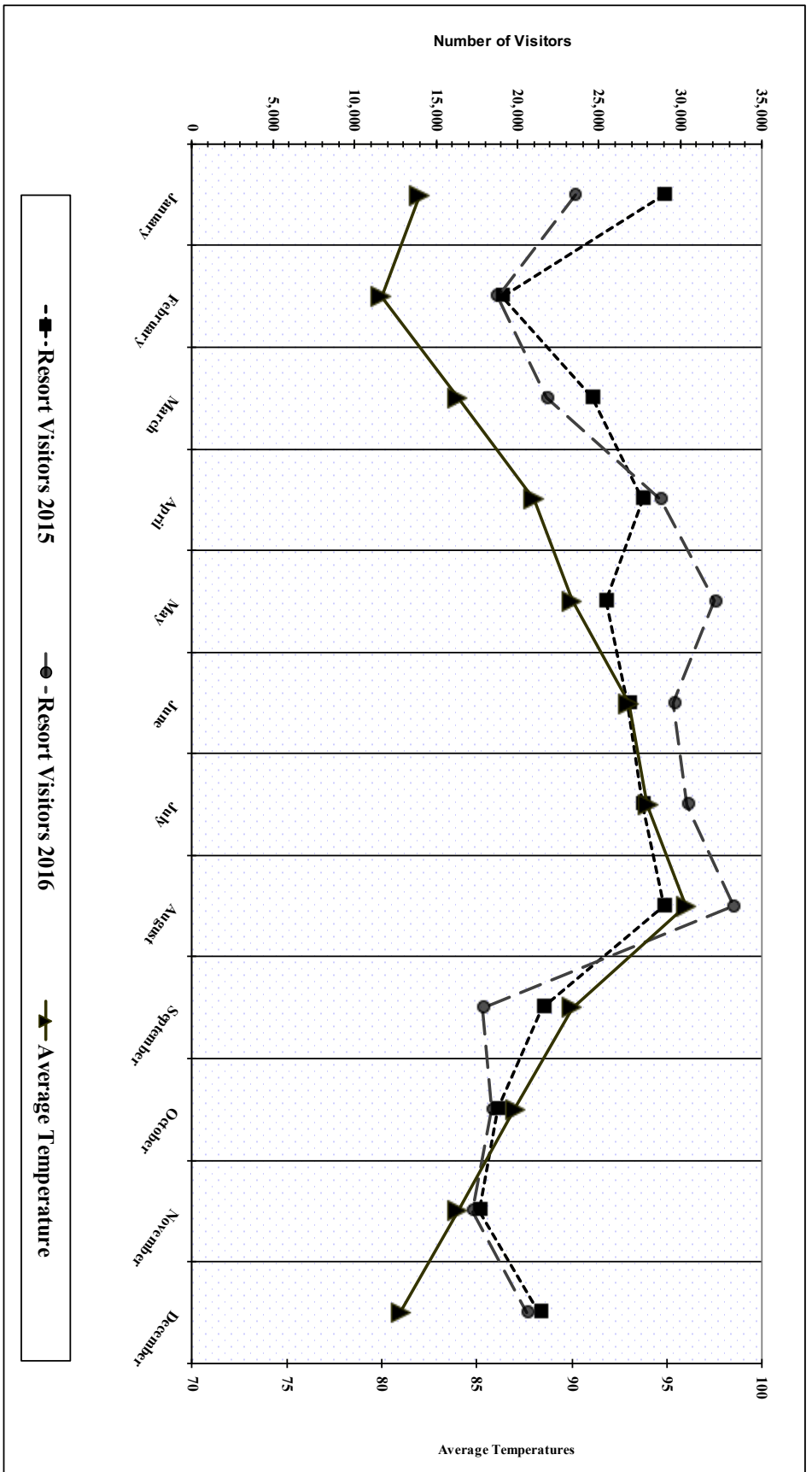
31. How many years are represented on the graph?
    a. 2
    b. 3
    c. 4
    d. 5

32. What does the darkest column represent?
    a. 2010
    b. 2011
    c. 2012
    d. 2013

33. What year had the lowest number of female surfers between the age of 18 to 24?
    a. 2010
    b. 2011
    c. 2012
    d. 2013

34. Males between the age of 25-34 had the highest number of surfers in how many years?
    a. 0
    b. 3
    c. 5
    d. 7

35. How many categories of surfers are shown on the chart?
    a. 2
    b. 5
    c. 10
    d. 15

36. Which of the following categories had the lowest number of surfers for all years combined?
    a. Men age 18-24
    b. Men age 50+
    c. Women age 14-17
    d. Women age 35-49

37. Which of the following categories stayed above 40 surfers in every year?
    a. Men age 18-24
    b. Men age 14-17
    c. Men age 50+
    d. Women age 18-24.

38. In how many years were there more male surfers between 14 to 17 than male surfers age 35 to 49?
    a. 0
    b. 1
    c. 2
    d. 3

39. Which year saw the highest increase in female surfers between the ages of 18-24 from the previous year?
    a. 2010
    b. 2011
    c. 2012
    d. 2013

40. In how many years, in any single category, did the number of surfers surpass 70?
    a. 0
    b. 1
    c. 3
    d. 5

TRUE/FALSE

41. The only category that had increases in the number of surfers every year was women age 14-17.

42. For women, the year with the highest number of surfers for all age categories combined was 2014.

43. The category of men age 50+ never saw a decrease in the number of surfers.

44. 2014 saw the biggest jump in male surfers ages 25 to 34 from the previous year.

45. The category of women age 18-24 had the highest number of female surfers every year.

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46. What area of Egypt has the highest population density?
    a. The eastern coast
    b. The southern border
    c. The western border
    d. The central area around the Nile River

47. The Erg Iguidi extends through which of the following countries?
    a. Mauritania
    b. South Africa
    c. Somalia
    d. None of the above

48. The largest urban center is in what area of the continent?
    a. Northwest
    b. Northeast
    c. Southwest
    d. Southeast

49. Tropical rainforest can be found in which of the following countries?
    a. Cameroon
    b. Libya
    c. Namibia
    d. Tunisia

50. Which of the following lakes was formed by the same forces that produced the Great Rift Valley?
    a. Lake Victoria
    b. Lake Volta
    c. Lake Nyasa
    d. Lake Chad

51. What does a line of red dots on the map indicate?
    a. Continental Boundary
    b. International Boundary
    c. Disputed Boundary
    d. Longitudinal Line

52. Which of the following is not located on the shores of the Gulf of Guinea?
    a. Lagos, Nigeria
    b. Maroua, Cameroon
    c. Accra, Ghana
    d. Lome, Togo

53. Which country does not contain part of the Sahara inside of it?
    a. Angola
    b. Algeria
    c. Libya
    d. Mali

54. Where does Algeria import the most goods from?
    a. The United States
    b. The European Union
    c. Russia
    d. China

55. Cotonou is one of the capitals of what country?
    a. Togo
    b. Niger
    c. Senegal
    d. Benin

56. The Mbomou River forms the northern border of what country?
    a. Democratic Republic of the Congo
    b. Central African Republic
    c. South Sudan
    d. Chad

57. Which of the following countries has the highest amount of rainfall?
    a. Sierra Leone
    b. Somalia
    c. Namibia
    d. Tunisia

58. The continent is divided physically and culturally by what feature?
    a. A lake
    b. A mountain range
    c. A desert
    d. A forest

59. The capital of what country is located on the island of Bioko?
    a. Angola
    b. Ghana
    c. Swaziland
    d. Equatorial Guinea

60. How far is it from the capital of Kenya to the capital of Gabon?
    a. About 2,000 kilometers
    b. About 3,000 kilometers
    c. About 4,000 kilometers
    d. About, 5,000 kilometers

Royal Mountain State Park
Visitors 2012 and 2013 and Average Monthly Temperatures

Resort Visitor and Temperature Data

61. What does the line with round connectors represent?
    a. February
    b. Resort visitors for the year 2015
    c. Resort visitors for the year 2016
    d. The average temperature for the month

62. How many years are represented?
    a. 2
    b. 3
    c. 4
    d. 5

63. What month had the lowest average temperature?
    a. January
    b. February
    c. November
    d. December

64. What do the numbers on the right side of the Y axis represent?
    a. Number of visitors
    b. Temperature
    c. Month
    d. Year

65. Which of the following months had the least amount of difference in visitors between 2015 and 2016?
    a. January
    b. February
    c. June
    d. July

66. Which month had the largest decrease in visitors compared to the previous year?
    a. September
    b. October
    c. November
    d. December

67. How many times did visitor numbers increase compared to the prior year?
    a. 0
    b. 3
    c. 5
    d. 9

68. In 2015, which of the following months had the highest number of visitors?
    a. June
    b. July
    c. August
    d. September

69. What month had the lowest amount of visitors?
    a. February, 2015
    b. March, 2016
    c. September, 2016
    d. December, 2015

70. In how many months did the average temperature fall below 90 degrees?
    a. 9
    b. 6
    c. 7
    d. 11

TRUE/FALSE

71. The solid line details the high temperature recorded for each month.

72. The month with the lowest temperature also had the fewest visitors in 2015.

73. In both 2015 and 2016, visitor numbers fall in the month of February compared to the previous month.

74. The biggest drop in visitor numbers happened in September of 2016.

75. Average temperatures rise after February and keep rising through August.

University Interscholastic League
A+ Maps/Graphs/Charts Contest • 2019-2020
7/8 Spring District
Answer Key

1. D	26. F	51. C
2. B	27. F	52. B
3. A	28. T	53. A
4. C	29. T	54. B
5. A	30. T	55. D
6. B	31. D	56. A
7. D	32. D	57. A
8. C	33. B	58. C
9. A	34. C	59. D
10. D	35. C	60. B
11. B	36. B	61. C
12. D	37. A	62. A
13. A	38. C	63. B
14. A	39. D	64. B
15. B	40. C	65. B
16. A	41. T	66. A
17. C	42. T	67. C
18. B	43. T	68. C
19. B	44. F	69. C
20. A	45. F	70. A
21. C	46. D	71. F
22. D	47. A	72. F
23. A	48. B	73. T
24. B	49. A	74. T
25. A	50. C	75. T